

The NAME GAME: behind an apparently trivial obsession with titles and designations is a development of great significance for the future of the polytechnics. John O'Leary reports on the hunt for university status (page 11)



Darkest Tunbridge Wells: Peter Aspdon meets historian RICHARD COBB and discusses a childhood and "classical education" with more than a hint of Grand Guignol (page 12)

"Je vous ai compris". De Gaulle's reply to the Algerians conveyed all the ambiguities of FRENCH DECOLONIZATION in the late 1950s and 1960s. Philip Thody looks at one of the most complex of modern political processes (page 13)

ARTS PAGE: VE Day commemorations coincide this month with the beginning of British Film Year: Jeffrey Richards looks at the wartime boom in British cinema; will we see it repeated? Also: Ed Thompson on the thirtieth National Student Drama Festival (page 17)

MORAL PHILOSOPHY is the branch of the discipline most firmly rooted in "everyday life" yet at the same time one of the most complex and specialized. Richard Norman reviews Bernard Williams's new study of Ethics and the Limits of Philosophy (page 18)

Home news	1-8
Letters to the editor	2
Don's Diary (Geoff Payne)	4
antithesis	6
Party Line (Jack Straw)	7
Union View (AUT)	8
Overseas news	9-10
Articles	11-16
Arts page	17
Books	18-25
Chemistry books	22-25
Noticeboard	26
Classified advertising	27-35

NEXT WEEK

Vietnam reinvented
American studies books
Roger Shattuck on Dorothy Wordsworth

The values of salaries

The annual argument about university teachers' pay follows a fixed (and empty?) routine. The Association of University Teachers makes a claim that looks aggressive and even unrealistic, because in cash terms it demands a substantial increase, but in fact is defensive and even conservative, because invariably its basis is the desire to restore the effective value of university teachers' pay to a former more favourable level. This catching-up quality is captured in clumsy phrases like "rectify the anomaly" and more recently "restore the erosion."

The reaction of the vice chancellors, in the shape of the University Authorities Panel the ersatz employers in the first stage of the rather contrived machinery for negotiating university teachers' salaries, is just as predictable. They express broad sympathy for the AUT's objectives and bemoan the declining value of academic pay, but quickly add that under the present inflexible regime of cash limits the universities cannot possibly afford to meet the claim. In the next stage the AUT asks the vice chancellors to join it in a formal protest to the Department of Education and Science about the inadequacy of university funding. Generally the vice chancellors decline, politely of course and after a great deal of humming and hawing.

The whole process is artificial because everyone knows that the real decisions get taken elsewhere - when the Government makes its global assumptions about the movement of pay and prices which then get built into the cash limited totals for public expenditure, and when (nowadays more probably if) other public sector trade unions with much greater bargaining power manage to force the Government to be more flexible. The success or failure of the AUT's pay claim is parasitic on the outcome of the claims of civil servants, school teachers and other larger groups of professional workers in the public sector.

Fast footwork by the AUT's negotiators can secure a marginal advantage over the "going rate", just as slow footwork can leave university teachers a half or three quarters of a per cent adrift. But it is inevitable that much of the negotiating effort of the AUT and the employing universities will be spent on secondary and specialized issues like the salary of clinical teachers, days of action, demonstrations, stickers that announce "Britain's universities - working for Britain", may keep up the morale of AUT members but they have little influence over the final settlement of the association's pay claims.

The immediate conclusion to be drawn from the increasing artificiality of the annual negotiations between the AUT and the universities (and later in committee B with the Department of Education and Science) is that

Education and Science) is that the strength of the AUT depends crucially on the strength of the larger trade union movement. If the latter is weak, the bargaining position of university teachers will be eroded even if the AUT is regarded by the university "establishment" with the most dignified respect. So it is probably a mistake to dismiss the AUT's involvement in broader trade union issues like the miners' strike or the Government's new legislation on ballots as irrelevant posturing. On the contrary in the concrete situation faced by the AUT it makes good sense for the association to demonstrate its solidarity with other trade unions. The increasingly unionized ethos of the AUT is not an unfortunate aberration but grows directly out of the present predicament of the association.

A second possible conclusion is that the present negotiating machinery is so anomalous that its reconstruction has become urgent. Should Committee B be scrapped and the AUT and the universities left to argue out the trade-offs between pay and jobs within the actual resources available? After all what substance can there be in negotiations with the DES when a superior department, the Treasury, has already foreclosed the outcome? Or should Committee A be abandoned, for substantive if not secondary salary questions, and the AUT and the vice chancellors take a united stand against the harsh cash limits set by the Government? Maybe all teachers in higher and further education should be paid on comparable salary scales, although the difficulty of amalgamating the Committee A-B structure with the Burnham FE machinery let alone contemplating a closer association between the AUT and the National Association of Teachers in Further and Higher Education would be very great.

Both conclusions, the case for wider trade union solidarity and the case for detailed technical reform of existing negotiating machinery, are necessary responses to the predicament facing university teachers but neither is sufficient in itself. Both make it difficult for their particular problems to be brought into proper focus. In the wide perspective of trade union solidarity either these problems are almost invisible because they form such a small part of a much bigger public sector picture or they have to be deliberately ignored in the cause of sustaining a much broader unity. So university teachers do not always benefit from the homogenization of public sector pay claims. Although there may be large areas of common interest and even identity, hospital porters, school teachers and university professors have different internal priorities and find themselves in different external markets. These cannot easily be rolled up in some jumbo public sector

claim; yet this is the effective form that has been dictated by the Government's simplistic and undifferentiated approach to cash limits and the inevitably equally undifferentiated response of trade unions to this challenge.

The difficulty with the second conclusion, that the most urgent priority is to reform the present negotiating machinery, is the very opposite. Instead of being lost in some vast homogenized public sector pay strategy, the important issues facing university teachers as a profession are superseded by detailed technical issues. We concentrate on the individual trees instead of considering the shape of the whole wood (but not the vast public sector forest). The reconstruction of the Committee A-B structure or the relationship between university and polytechnic teachers' salaries are important of course, but not as important as the deep-rooted decline of academic salaries with all its consequences for the present status and morale of the profession and future recruitment into teaching and research in higher education.

These malignant consequences are fast becoming obvious. The disheartening response to many of the "new blood" posts, and not only in the technology or because the job descriptions were too narrow, was an alarming symptom of the declining attractiveness of an academic career to the best and the brightest young people. There are many reasons for this of course, but inadequate salaries are clearly an important factor. Not only have academic salaries failed to keep pace with inflation but pay in competitive jobs has shot ahead.

Today the sales manager of a high tech company is likely to be paid several thousand pounds more than a university professor who may play a decisive role in shaping the technology on which the success of the manager's company depends. The absurd justification is that the former is creating wealth while the latter is consuming it. But it is not simply a question of salaries. There seems to have been a pronounced cultural shift against the academic profession, a shift which the present Government has assiduously supported. The status of universities has come under constant attack along with their income. Because we live in a society that, apparently, values the secondary exploitation and expert manipulation of money wealth more highly than the primary production of the nation's true wealth, the skills of its people and the quality of its science and learning, those engaged in the former are respected and rewarded more highly than those engaged in the latter. That is why academic salaries have declined. And because these perverse priorities need to be reversed, that is why that decline must not be endlessly tolerated.

Six of the best colleges

It is difficult not to feel sympathy with the six colleges and institutes trying to attain polytechnic status. Although smaller than the existing polytechnics, most are not so very different in character or in the quality of most of their courses. Yet they face a constant uphill battle for the best students, research, grants, consultants over proper recognition from employers.

A change of name would not necessarily unlock all these doors, but obviously it would go a long way. Public ignorance of what goes on in polytechnics may be alarming enough, but the suspicion is that it applies doubly to the colleges.

In any case, the argument is not simply about money. A system will emerge (although probably not this year) which offers similar funding for similar work, but it will not enable the colleges to compete on equal terms with the polytechnics, let alone the universities. So what are the objections to designating more polytechnics?

The most common one is size. Only Humberide approaches even the smallest polytechnic and few of the six candidates have the breadth of courses which was thought desirable in a polytechnic when the issue was addressed in 1966. But we have national planning now and any of the six would be happy to accept gradual growth, given the resources. There certainly was no minimum size laid down in 1966 and plenty of today's colleges would have been large by comparison with some of the successful candidates then.

It would be surprising if all six hopefuls were successful this time around, but there is no reason why polytechnic status should be a subject for discussion only every two decades. There seems to be little reason, other than innate resistance to change, why Humberide should not be given its polytechnic straight away. On every criterion, from regional need to breadth and quality of provision, its case is a good one.

For the rest, perhaps a longer look is needed, but none should be ruled out. Dorset has a strong regional case. Chelmer could boost the deprived East Anglian area. Easting has long been an institution of quality. Bolton can point to strong industrial links and Derby could reasonably expect a polytechnic. No doubt others will throw their hats into the ring as well. If more designations are given, not by a handful of people but by a wider body, the demands made of higher education are changing and the way should be open for institutions to change with them.



Fifth Column

Having thought for a long time that Matisse was a grossly overrated artist, I spent some hours recently at an exhibition of his sculpture, regretfully came to the conclusion that my judgement has been correct. I had been assured by a great expert that the sculptures would reveal to me a new dimension of Matisse's thought and vision. Despite all my efforts I could not persuade myself that the sculptures were much better than the work of any reasonably competent art student. I referred back to those vivid sketches on the walls of the chapel at Venice and found them as empty as space.

The reason I record this unhappy experience now is that I have just been to the great exhibition of Renai at the Hayward Gallery and again, experience similar, though not as great, a disappointment. Perhaps, I thought not for the first time, there is something the matter with me. For the popularity of the Renai show was fabulous. It was, said *The Times*, London's biggest single art attraction with queues far longer than those for popular stage shows like *Cats* or *Top Gun*. As I left the gallery, I thought, as determined in the rain as I had been in the snow, stretched as far as you could see. More than 4,000 people a day had visited the gallery.

Inside, the enthusiasm was undiminished. I spent a few hours there, sharing the delight of my companion and yet with a growing doubt. It might be, as the leaflet explained, that Renai's paintings throughout his career presented a wholly untroubled, optimistic vision. That I find being an enthusiast for the past, the tormented problems or dismal canvases of much of the modern movement. I remembered the joy of seeing an exhibition of Dali in the 1950s the sheer loveliness of paintings that were a shout of life and happiness after all the gloom. And yet it didn't work this time.

Some of the paintings were delicious. Landscapes rich with colour and with no black on the shadows, a glowing palette of pure colours and white, were as lovely as some of the bathers - those podgy women with perky faces that we like to remind about. *The Flood Bather* and *Nude in the Sunlight* must be the kind of Renai we wanted to see - so many of us.

But some of the drawings were bad and some of the paintings quite hard, with little feeling for the texture of paint. Some heads did not fit on the shoulders and were as clumsily thrown together as the ornate 18th-century furniture portraits. *Judgement of Paris* was simply a group of old ladies with thick legs looking funny in the underground.

Perhaps all I am saying is that an artist is wholly good of wholly bad, our problem is to judge that. Our reputation was expected to discover greatness in every work. Perhaps as one gets older one's discrimination becomes more acute and one's awareness of the world less. I think, for instance, of our own times when we have stretched beyond its possibilities, *South or Infer* we shall learn to discriminate. Or will we? Will we continue to judge works of art with our ears rather than our eyes?

Patrick Nuttgens

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Cut-price CERN link proposed

By Jon Turney
Science Correspondent

Science should stay in CERN, the European laboratory for particle physics, but only if the budget can be cut by agreement with other European universities. These will be the main recommendations of the committee under Sir John Kendrew considering future British participation in high energy physics, which held its final meeting last night.

The size of the proposed budget cut will not be known exactly until the committee's report is published next week but all the signs point to a substantial reduction - 25 per cent or more by 1990. The outcome is a compromise between those who wanted complete withdrawal from subscription to the new laboratory, currently costing £5 million a year, and the physicists who argued that the full payment was needed if Britain was to take part at all.

The committee, which was set up by the Advisory Board for the Research Councils and the Science and Engineering Research Council after an AERC decision to consider withdrawing from a major area of science, will make the size of the cut they propose will be a severe disappointment to British scientists. Internal sources indicate that private dealings between Sir John Kendrew and M. H. Porter, CERN's director, were crucial in shaping the committee's recommendations. The Europeans are publicly disappointed by any reduction of the CERN budget, but it is understood that they would be prepared to talk to CERN if Britain takes the lead in the process.

The recommendation will have to be approved by ministers if it is passed by the AERC and the SERC. Sir John Kendrew's findings are sure to trigger a further bout of soul-searching about Britain's role in international science and the SERC will make it clear that the level of cuts proposed goes only a way to easing its long-term budget problems.

Animal research victory
The Home Office has made significant concessions to researchers in its revised White Paper on animal experiments, published this week. The original Government proposals for legislation to replace the 1876 law regulating animal experiments included a requirement for applicants for licences to find a "sponsor" to vouch for their competence and the merit of their application. Scientists objected that this would encourage bureaucratic delays, and difficultly sponsors qualified to vouch for the competence and the merit of their application.

Other changes in the White Paper include the grading of the pain or suffering of the animals into account. Some of the new regulations, and the requirements to safeguard the health of laboratory animals, as being proposed will cover animal experiments from experiments on the breeding of embryos, and the use of embryos in research.

Universities told to face up to cuts and more cuts

by Ngaio Crequer

Some universities may lose more than an eighth of their grant over the next four years because of the combined effects of declining Government funds and the new selective research policy. The UGC will announce the recurrent grant for 1986/87 next May and provisional grants for the following three years later in 1986. Universities will need to provide the committee with their planning objectives, a research statement, forecasts of student numbers and financial forecasts.

Universities will need to give an account of their research strengths in a new 37-subject classification, citing five examples of published work in each subject. But the UGC has said it will not start with any preconceptions about particular research areas to be encouraged selectively. It will not say in advance how much will be selectively distributed and it will not transfer resources between arts, science and medicine, although institutions may wish to do so themselves.

The UGC will soon introduce a scheme for the support of post-experience vocational education that would be highly selective both as to subject and to institution. It will not financially penalize universities which admit students without traditional A level qualifications.

The universities are asked to provide the UGC with their planning responses by November 30. "It is to be expected that there will be increasing differences among universities in the range of subjects they cover, in the nature of research they do, and in teaching styles. With the prospect of continuing financial stringency, all universities will be faced with hard choices," the letters say.

Vice chancellors' warnings, Page 3
Leader, back page

money and worsen their unit of resource (spending per student) or not. The letters say they do not expect that the recent Jarrat recommendations on efficiency will produce substantial economies.

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Dorothy's share in Wordsworth's poetry, 18

Art students win degree appeals

by David Jobbins

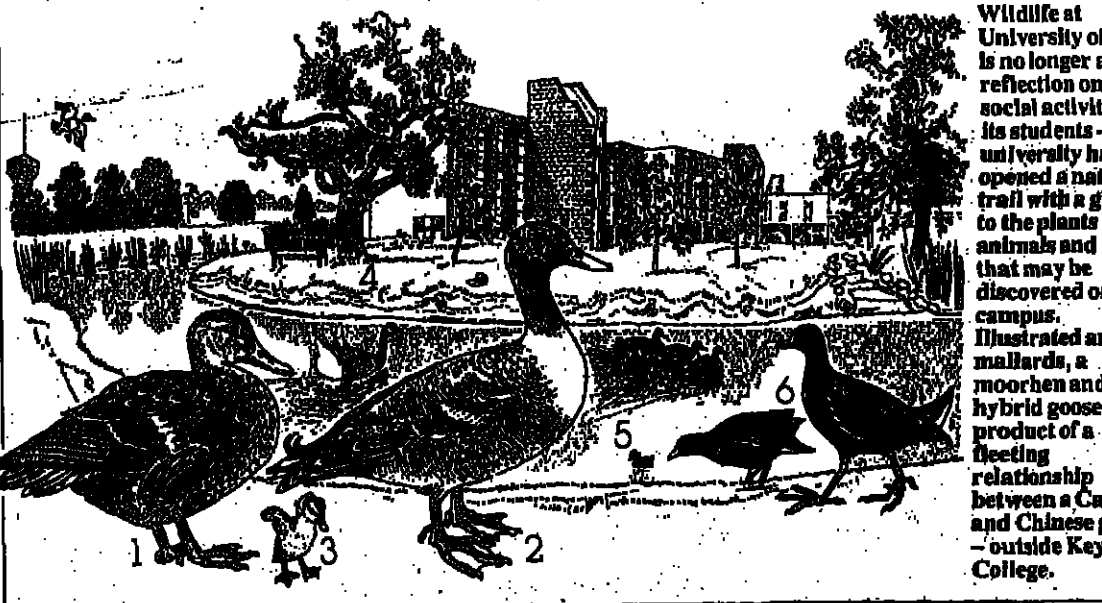
Examination procedures at a northern polytechnic are severely criticized in an internal report which recommends that appeals by nine fine art students against their final examination results be upheld.

A report to Leeds Polytechnic's academic board found irregularities in the way the students were assessed, and recommended that the examination board should reconsider the assessments of all nine students. The panel was chaired by Mr Donald Davidson, head of the school of librarianship. It concluded: "Inadequate administrative procedures and failures to operate the examination board and assessment regulations in accordance with laid down rules of conduct for the fine art course led to the likelihood that a miscarriage of justice could have occurred and that there was no means of ensuring that the work of the appellants and the difficulties under which it had been carried out were given due weight by the examination board."

The panel deliberately steered away from making academic judgements in recommending that the appeals should be allowed. "It appears that the administrative and procedural irregularities present constitute a sufficient case on the grounds that they must be a material factor in making it difficult to arrive at sound academic decisions."

It identified as the basis for upholding the appeals:
● Unsatisfactory examination board procedures including a failure by external examiners to attend all meetings.
● Failure to take account of the "potentially detrimental" effects of material changes in the structure of the course between 1981 and 1984, and reduced teaching and assessment expertise arising from staff losses.
● External assessment of students as groups contrary to examination regulations and in the absence of agreed criteria.
● Internal assessment and monitoring by people with neither firsthand knowledge of the students nor relevant experience.

The panel suggested that the examination board should reconvene under the chairmanship of the head of the school with all the external examiners in attendance. As well as reappraising its decision in the case of the nine students, the panel recommends that the board should consider whether changes in course procedures are needed in the light of so many appeals. The findings are to be transmitted to a review body set up by governors.



Wildlife at University of Kent is no longer a reflection on the social activities of its students - the university has opened a nature trail with a guide to the plants and birds that may be discovered on the campus. Illustrated are mallards, a moorhen and a hybrid goose - the product of a breeding relationship between a Canadian and Chinese goose - outside Keynes College.

Creaming spoils milk round

by John O'Leary

Increasing competition for the best graduates among high technology and finance firms is threatening to disrupt the efforts of universities and polytechnics to regulate the job-hunting activities of first-year undergraduates. Companies trying to steal a march on their rivals are deserting the traditional "milk round" of organized campus interviews in an attempt to cream off the best candidates at an earlier stage. Others claim they cannot handle the volume of applications they receive without starting their selection process before Christmas.

Some companies, notably firms of solicitors and accountants, have been conducting early interviews for some years. But careers advisers detect that the practice is spreading. Mr Bob Porter, chairman of the Association of Graduate Careers Advisory Services, said this week that he knew a dozen major companies which had moved their recruitment activities off campus for two or three years. Students are creamed off before a variety of employers have time to get to grips with the flood of applications. The danger is that if employers keep breaking out, we could end up

with chaos," said Mr Porter. "It also makes life quite difficult for careers officers, who are trying to advise students in the first term of their final year."

Employers who persevered with the milk round this year were faced with twin difficulties, as students opted out of interviews either because of early selection by other firms or a separate trend towards keeping options open until summer recruitment fairs. Some found as many as half their pre-selected candidates staying away. Careers advisers will meet representatives of the bigger employers of graduates next month to discuss a new code of practice for recruitment activities. The code, which is intended to ensure, among other things, that selection is not brought even further forward into students' second years, is likely to be adopted at the annual conference of the Standing Conference of Employers of Graduates.

Mr Keith Bell, chairman of SCOEG, said that no one wanted a self-defeating scramble. But he added: "I simply do not believe that it is true that all, or even a large minority of the best students are creamed off before a variety of employers have time to get to grips with the flood of applications. The danger is that if employers keep breaking out, we could end up

Letters to the editor

Responding to the Lindop report

Sir, - While I have no intention of entering into a public debate with Eric Robinson about Committee of Directors of Polytechnics' policy on degree validation, I must refute his implication that my welcoming of the Lindop report was in some way at variance with that policy (THES, May 3).

In its submission to Lindop, the CDP said: "The CDP is unaware of any valid reasons why some public sector institutions should not be self-validating. It believes there to be a range of models which would prove effective in the maintenance and enhancement of academic standards. These include models based on charters designed to protect the specific characteristics of polytechnics, models involving accreditation and models dependent on some form of licensing."

The CDP hopes that the committee will give every consideration to this range of possibilities which contains in outline the ideal solution to the problems which have to be considered."

The broad spectrum approach was adopted by the CDP because it was not still is not known how individual polytechnics will wish to respond to the new opportunities. Directors can no more pledge their own institutions in this than the CDP can pledge individual directors.

Although the Lindop committee's recommendations vary in some details from what the CDP might have wished, overall the proposals bear such a close relationship to the CDP's own submission that I did not hesitate to give a warm welcome to the report on behalf of the CDP, a welcome that was echoed this week by the meeting of CDP officers and chairmen.

Personally, I believe that the Lindop committee has rendered public sector higher education a great service. The proposals in themselves are not discriminatory as Mr Robinson claims. They provide an equality of opportunity for all institutions and none have been selected in the report for preferential

treatment over others. Considering the evidence which has been accepted recently to support applications for charters, why should not all polytechnics aspire to full validation?

I hope the Secretary of State will take the action recommended by Lindop and thus enable the full stature and academic potential of polytechnics to find true expression, which could only be to the long term benefit of public sector higher education.

Yours faithfully,
HARRY LAW,
Chairman,
Committee of Directors of Polytechnics,
309 Regent St,
London W1.

Sir, - Thanks to the columns of *The Times* (April 26), those of us in public sector higher education who are not included on Sir Keith's consultation list, have learnt that comments on the

Lindop report have to be submitted by June 7, barely six weeks after its publication.

Despite the Secretary of State's expressed hope that "the issues... can be widely discussed", this timescale is clearly designed to exclude from the "consultation" exercise those likely to be most affected by the report's recommendations: academic boards, staff and students, groups who may hold different views from polytechnic directors but whose opinions nevertheless ought to carry weight.

At an institutional level these groups will have great difficulty in formulating and submitting an effective coordinated response in the truncated timescale allotted.

Yours sincerely,
JACI NIXON,
Ashbeck,
Hamsey Road,
Barcombe, near Lewes,
East Sussex.

Talent for industry

Sir, - Your second leader of 16th May refers to the likelihood of the universities increasing the pool of talent available to industry. As far as domiciled university graduates in engineering, technology, the sciences, mathematics and business and management are concerned, which courses make a markedly proportional contribution than time courses do.

The sandwich graduates are on average about 40 per cent more likely to enter UK employment, in any form, their first career destination. They are about 80 per cent more likely to enter UK manufacturing industry, and 100 per cent more likely to enter the manufacturing industry nearest their subject.

The tendency of either type of graduate to enter UK employment of course less in subjects where opportunities (eg research studentships) are common. The great tendency of sandwich graduates to take up employment is essentially independent of this effect.

The differences between full-time and sandwich graduates in their tendency to enter manufacturing industry are of considerable interest; for example, business graduates (very few of whom become research students) show a difference quite similar to that of biologists, whose studentships are among the most common.

The business graduates from sandwich courses go into industry at the expense, as it were, of the biological sector - as indeed do mathematics.

The sandwich biologists enter manufacturing more, not by eschewing research studentships, but by entering certain other occupations less. One speculates that these effects are connected with the types of industrial training the students are exposed to during their courses, and consequently the types of employer they are most familiar with, and better known to.

The sandwich students considered on average are about 20 per cent more likely to enter UK employment or take a UK higher degree. The figures quoted come from the national data over six recent years, and show considerable stability from year to year. One disappointing feature, if one wants to encourage interest in industry at the school level, is that the industrially oriented sandwich graduates are only about a quarter as likely to take teacher training.

Yours faithfully,
LESLIE DAVIES,
Vice chairman,
Universities Committee on Integrated Sandwich Courses.

Sir, - The engineering department at Lancaster is closely involved with industry on a large number of research projects, in several teaching courses, and in academic personnel schemes, in an academic partnership connection with two accelerated courses which have involved some two hundred staff over the years and has been extending its range of undergraduate courses in recent times.

Teaching jointly with the physics department, for example, is an increasingly integrated scheme in physics and electronic engineering producing first graduates this year. In 1987 a new course in "mechanical engineering" is being introduced, a versatile in both mechanical and electronic engineering design and construction, next year is a new course in "industrial engineering" to be taught jointly with the computing department.

This letter has been stimulated by the casual and inappropriate remarks made in your recent issue.

Yours faithfully,
JOHN LATHAM,
Department of economic history,
University College of Swansea.



Many tongues

Sir, - Now it can be told! At a certain Welsh higher educational institution, not a million miles from Dylan Thomas's birthplace, the committee was meeting to choose the carols for the Christmas carol service.

This committee, being composed of practising Christians, was renowned for the bitterness and acrimony of its deliberations. The meeting was opened, and it was proposed that before discussion began, the Lord's prayer be said. To this there was general assent, until the question was raised: "In English or in Welsh?"

Some 30 minutes of vitriolic debate followed, until it was agreed that it should be said in both languages. "But which first?" An even longer period of turmoil ensued until someone proposed that it should be said in both languages simultaneously, each member saying it in the language he preferred.

Relief was felt all round, and they could at last turn to the carol service. Yet it was not to be. A voice cut through. "But will God understand it?"

Yours faithfully,
JOHN LATHAM,
Department of economic history,
University College of Swansea.

Intakes

Sir, - It is perhaps understandable that institutions are reluctant to increase their initial teacher training intakes at the expense of the humanities (THES, May 10). The differential weighting of 1.4 to 1.0 respectively could mean a loss of 10 in teacher training. More importantly, there are the obvious implications for staff already in post if institutions then require other tutors with substantial, recent and relevant experience of primary education, particularly the early years.

Yours faithfully,
FRANCIS W. WRIGHT,
Principal,
North Riding College of Education,
Scarborough (Tel 01752 412071).

Letters for publication should arrive Tuesday morning. They should be short as possible and written on one side of the paper. The editor reserves the right to cut or amend letters.

APT ballot rules out strike action

by David Jobbins

Fewer than 7 per cent of lecturers who belong to the non-TUC Association of Polytechnic Teachers are prepared to strike at the present stage of salary negotiations.

But 19 per cent are prepared to support other forms of industrial action, a ballot of the union's members conducted with funds provided under the Trade Union Act, disclosed this week. At least 58 per cent of the membership would take action short of a strike if the local authority employers refused to increase their 4 per cent pay offer or block access to arbitration.

Dr Tony Poinsett, the APT's national secretary, said this week: "I am surprised how many people are sufficiently angry at the present circumstances to contemplate some form of industrial action among a traditionally professional membership such as ours."

APT leaders emphasized they were not actively contemplating industrial action but had merely sought to find out what their members thought.

The association has advised members not to undermine the overtime ban and refusal to cover for absent colleagues being operated by the main union, the National Association of Teachers in Further and Higher Education, but to work normally during strikes.

Ballot waves of rallies and one-day strikes across the country culminated last week with rallies in London and Belfast. Rallies have been well attended, with speakers from both the National Union of Teachers and the Association of University Teachers. An estimated 600 attended the Leeds rally, with 400 at Manchester and 300 in Birmingham.

But there are indications that support for the strikes remain mixed, with

Joint effort to attract overseas

By Peter Aspiden

Oxford University, Oxford Polytechnic and Abingdon and Oxford colleges of further education have joined together to set up a consortium, aimed at attracting overseas students and providing a consultancy service.

The four institutions, which have joined up with the management consultants, HayMSL, have circulated a joint publication to embassies, consulates, government organizations, college overseas employers to advertise their various strengths.

The consortium's chairman and the deputy director of Oxford Polytechnic, Dr Victor Owen, said: "It is basically a pragmatic approach, to attract students from overseas and to emphasize the quality of academic excellence at all levels, and to provide a consultancy service for any work which is required."

"It is a fairly loose arrangement at this stage, because we didn't want to set structures, but we felt it was important for all of Oxford's institutions to cooperate, and this has been achieved."

The consortium has also recruited the help of the British Council in promoting its publicity. "At first we concentrated on established areas such as Singapore and Hong Kong, and then possibly look at the United States and Australia," said Mr Owen.

Mr Roy Butler, of HayMSL, said: "This is a good example of cooperation between business and higher education, at a time when we hear so much about the relationship between industry and higher education. There are many ways in which the third world which needs advice on managing as much as anything else, and the consortium can provide an important input."

Oxford students who volunteered to help with the consortium's publicity received £1,000, which they will spend on advertising in the *Times* and other newspapers.

Deaths lead to new guide

by Jon Turney
Science Correspondent

The Royal College of Physicians is producing new guidelines to protect healthy human volunteers for medical experiments, following two recent deaths during trials of new drugs.

The college is especially concerned to avoid medical students, who supply most volunteers, being coerced into taking part by their teachers. And it wants to make sure the money paid to volunteers is not an "undue inducement", according to Sir Raymond Hoffenberg, the college's president.

The guidelines will be drawn up by a committee, chaired by Sir Raymond and convened at the request of the Medicines Commission. They will cover trials carried out in medical schools, hospitals and by contract research companies.

The committee's recommendations will cover compensation for possible injury, limits on the number of experiments per volunteer and medical facilities in the laboratory.

The committee also hopes to define a reasonable payment. However as the going rate for drug trials is around £20 a day, according to evidence taken from medical students, it will be difficult to argue this is not an inducement.

The group will pay special attention to protection of drug company employees, who might feel obliged to take part in trials. Sir Raymond said the committee felt medical students might be in the same position. The group had thought of recommending that no student take part in a trial run by their own teacher, but this was difficult as "most students come into contact with most teachers".

Sir Raymond said however there were some advantages in using medical students, instead of those studying for other degrees. "There is a certain educational element; it doesn't do medical students any harm to take some of the medications their patients will take later and see how they feel," he said.

The committee will write guidelines which assume that any legitimate trial on healthy subjects carries "negligible risk", Sir Raymond said. The college's recommendations should be published before the end of the year.

Sir Keith urged to safeguard adult literacy teaching

Sir Keith Joseph, Secretary of State for Education and Science, was urged this week to introduce legislation to safeguard the standard of adult literacy teaching.

The call came from Mr Alan Wells, director of the Adult Literacy and Basic Skills Unit, at the unit's annual conference when he outlined the unit's priorities after ten years' work, and highlighted disparities in the quality of provision. Mr Wells hoped these could be removed over the next ten years.

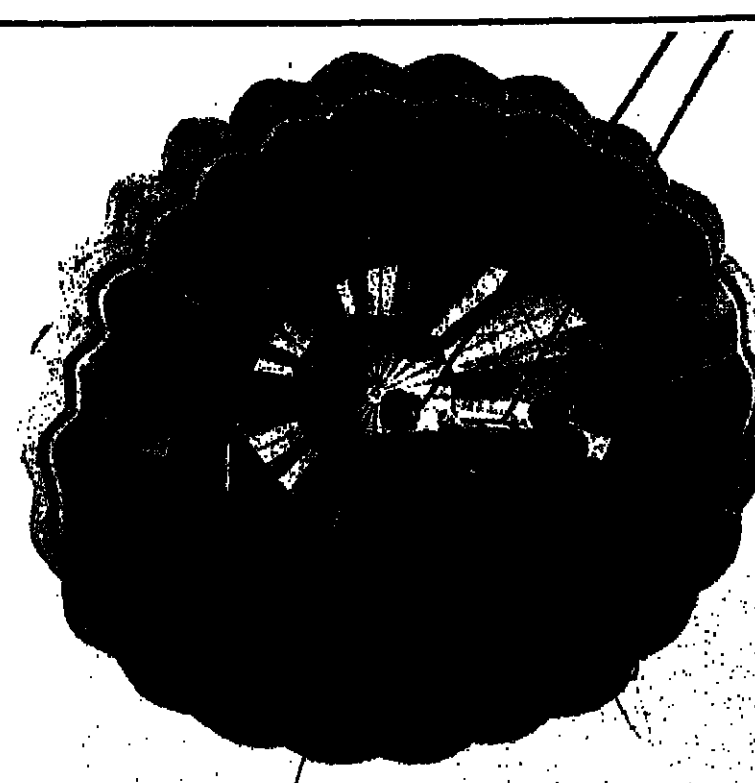
Gloomy forecast as v-cs warn of job losses

Vice chancellors, taking stock of the grim financial outlook recently presented by the University Grants Committee, have warned of further job losses and the running down of departments in universities.

In a series of separate statements, universities round the country are being told to expect substantial changes in the coming years, prompted by the switch to selectivity, the increased emphasis on efficiency and the general cuts in Government funding.

At Kent University, the vice-chancellor, Dr David Ingram, said: "It is clear that we will have to lose quite a large number of academic and other posts over the next few years to balance our budgets, but it is also clear that we must give some protection to those areas which are very successful in bringing in non-UGC finance."

He urged the university's planning committee to identify "protected" areas, and calculate the percentage cutback across all other sectors. "It is clear that some areas of university provision will have to be run down in order to produce the savings required."



Visiting sixth formers hitch a sky ride with Graham Turnbull, a Liverpool University student who offered free rides to all visitors during Liverpool University's open day last weekend.

Legal studies centre should be retained, says report

The Institute of Professional Legal Studies at Queen's University, Belfast should be retained as the best and sole form of training for entry into Northern Ireland's legal profession, a Government-commissioned report published this week says.

The report is the work of a committee set up by the Government in 1983 under the chairmanship of Professor Peter Bromley of Manchester University to review the future of the institute and legal education in the province.

But although the committee recommends that all other alternative routes to training - with a few exceptions - should be closed, it stresses that it is vital that training at the institute and training in practice should become closely integrated.

To this end, it proposes that all intending solicitors should be apprenticed for a period of two years of which the first three months would be spent in the office, the next 12 at the institute and the remainder back in the office.

Similarly it says the Inn should consider basing pupillage on a two-year period, the first of which would coincide with the barrister's course at the institute and the second year to take place after he or she has been called to the bar.

The committee says it is best that the institute remains part of the university and stays in the same location. It had considered giving it independent status but this would have resulted in the loss of grant from the Department of Education which the profession had made clear it could not make up.

For this reason it strongly recommends the establishment of selection committees which comprise a majority of legal practitioners but which at the same time preserve the constitutional position of the university.

The committee has urged the Council of Legal Education to shoulder much more responsibility. It recommends that its composition should be changed so as to give the university and the profession equal representation.

Queen's v-c appointed

Queen's University, Belfast has appointed Professor Gordon Beveridge as its new vice-chancellor, to succeed Dr Peter Froggatt, in October 1986. Professor Beveridge, 51, is currently professor of chemical engineering at Strathclyde University.

He also referred to the need, after ten years of intense development activity, for a research base to build up to underpin the service, and especially to evaluate the learning opportunities available to students.

Sir Keith paid tribute to the conference on the achievements in literacy and basic skills since 1975, but he went on to emphasize the decentralized nature of the education service and the responsibilities of local education authorities in maintenance of provision.

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He criticized the Government's review of higher education, for not concerning itself with its aims, functions and purposes, but being set essentially in terms of financial restriction.

At Newcastle University, the vice-chancellor, Professor Laurence Martin, also warned the court of an absolute decline in resources and a consequent uncertainty about the future.

Further economies will be much more difficult to find. We should not significantly increase our intake from overseas and still have the ability to

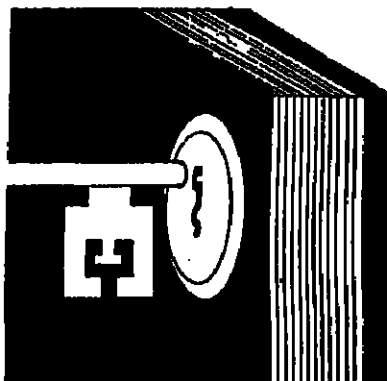
Caribbean centre opens

Developed countries are no longer interested in creating a climate of international cooperation in which the developing world can play a fuller part, said the secretary general of the Commonwealth, Sir Shridath Ramphal, in a major policy speech at Warwick University.

Sir Shridath was attending the official opening of the university's new centre for Caribbean studies, at which the Ambassadors of Honduras and Cuba, and the High Commissioners for Guyana, Jamaica and Trinidad and Tobago were also present.

He said it was doubtful the global consensus to international cooperation of 20 years ago still existed, and whether it could be made the unspoken premise of policy options.

"The alternative to international cooperation is a drift towards a more rigid, fragmented, and power-dominated international environment, a drift away from order, stability, predictability and rules, towards a greater arbitrariness, uncertainty and exercise of power," he said.



Keywork

Sir, - I am somewhat surprised to see you publishing an article written by Dr. Albert Schofield on Vance Packard's book *The Hidden Persuaders* (THES, May 3). As an MA student in the marketing department at Lancaster University in 1970/71, I recall writing an essay in which I quoted from this "keywork". I also remember the comments written in the margin by the assessor: "a dubious source".

As I pointed out in the article, the book is very dated and, for the reasons mentioned in the article, the book has always been regarded, in academic circles, as a dubious source.

It is certainly not a "keywork" or a recent work in the academic marketing literature and I find it surprising therefore that it should be deemed a suitable book for discussion in an academic journal. While Dr Schofield's work is interesting, it does not merit the attention that you have given it.

Yours truly,
TONY PROCTOR,
University of Manchester Centre for Urban and Regional Industrial Development.

Professional Association of Teachers

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DON'S
DIARY

I have often wondered why most diaries are dominated by appointments and meetings rather than reports of routines, moods, and familiar faces of family, neighbours and the departmental secretary? I last kept a regular diary when a teenager. I soon realized that it is a job for small minds and stopped. The only people I know who keep diaries are politicians, to provide material for an autobiography or even publication. These are not only lucrative but pander to the politicians' wish to be understood in their own time. I suspect that the more achievement-oriented dons are doomed to disappointment when they confront the dry record of how little they have done.

MONDAY

A calculated rise at 8am, after the children have gone to school. Missing the breakfast-time mayhem is a bonus but it leaves me vulnerable to my wife's observation that she had done two hours' work before I was up. Prepare lecture for final class in west European politics. I give the students a take-home examination (four essays from six questions, to be submitted two days later), and ask for questions on the paper and/or the course. As ever, I am taken aback by the knowledge gaps revealed by the questions as well as the failure to ask questions I think they should ask.

Spend afternoon preparing an after-dinner speech on the political leadership style of Mrs Thatcher. I have some competition. The previous night I heard an interesting talk by a libertarian on Mrs T. Like President Reagan, she may believe in a free market economy, but not in the permissive society. Today, Lord Annan is receiving an award from Berkeley, across the bay, and gives a talk on Mrs T.

TUESDAY

Lunch with Party Lineet, uniquely a former president of both the American Political Science Association and Sociological Association. His famous *Political Man* was the first book I read as a graduate student in 1964. His conversation ranges over socialism in Spain, Sweden, Papandreu as a former colleague at Berkeley, state of British sociology, opinion-polling in Britain and education in Japan in the nineteenth century. Like others he comments that academic job prospects in political science are improving.

Having learnt that he is a *THES* subscriber I collect some recent back copies from him. The front-page headlines are, as ever, depressing. "Universities' finances means more job cuts." "Keep numbers down, universities told." "Standards slashed in overseas race." Reflect that for higher education no news is good news and sustain morale by avoiding *THE THES*.

Spend late afternoon and evening correcting the past proofs of *Boer*. Occasionally I wonder: Did I really write that?

WEDNESDAY

Avoid lunch seminar. Stanford's political science department arranges three or four talks a week at midday for faculty visitors and graduate students. Today's offering is a so-called 'slip presentation'. When departments want to make an appointment, each applicant is expected to visit the department and university for a few days and make a presentation. The best of family and the worst of presentation gives an indication of the department's reputation.

mentation will be. Spend day revising a chapter for a book on western European politics.

THURSDAY

All the exam scripts are submitted on time. Most are 12-15 pages in length, neatly typed and double spaced. In my lectures I have tried to combat the prevalent American conception that Europe is a monolith. At the beginning and end of my lectures I find myself reminding students just how different the United States is from most other western societies: no idea of a sovereign state. Social Democratic or Christian Democratic parties, for example.

I am impressed by the quality of the scripts and the standard of writing. But these students are supposed to be among America's best. I give a third of the students an A, which is slightly above the Stanford "norm", and way above what we give students in English universities (but that is another story). I give one C, and that to a student who began a paragraph: "As Professor Kavanagh, a foremost scholar..."

FRIDAY

I cycle for seven to eight minutes to my office, a pleasant change from my routine in England. As usual, the sky is blue and the sun bright.

One student is waiting to query my grade of her final as B++. It appears that the administration will record this as a B, she wants to go to law school and grades count, she worked "real hard" for the course (true), and over a total of seven essays she has four As. Will I look at it and see if it is an A or a B? Overwhelmed by the reasonableness of the case, I agree. The rest of the day I work on a lecture which I am to give to a conference tomorrow.

SATURDAY

We leave at 8am for San Luis Obispo, some 200 miles south, where the Pacific Section of the British Studies is holding its annual conference. The theme is the fiftieth anniversary of the publication of George Dangerfield's *Strange Death of Liberal England*. The old man is still alive and will be present. I make good progress on the highway but 20 miles from Obispo, my car breaks down. An obliging mechanic from the US equivalent of the AA helps me out but it breaks again, so I arrive at the conference at last with only minutes to spare. The conference organizer, relieved at my arrival, listens sympathetically to my plight and will "see what I can do".

It is like David Lodge's *Small World*. Surprise! Not only have the organizers flown in the warden of Nuffield College, Oxford, to comment on Dangerfield's thesis, but another Oxford don (with whom I have co-authored four books) is present to introduce me. I note that he calls me a "robust northerner" and himself "an effete southerner". I ignore that half-truth and give my lecture. As usual, talk so long there is no time for questions. This has happened so often that some Americans think this is a brilliant plan on my part to head off questions.

In the late afternoon the conference organizer, obviously of pioneering stock, has done a dozen errands for various people and now turns up with a spare car for me and a specially-commissioned Volkswagen machine to work on my car. The grass sometimes appears greener on the other side of the Atlantic both for British and American visitors. Today, I feel it is actually greener.

Spend the evening at conference barbecue, with baggage accompaniment. Leave early because we have to rise at 6am for a complimentary visit to Hearst Castle, again the work of the conference Mr Fix-it. Will the car get me home?

Dennis Kavanagh

The author is professor of politics at Nottingham University. He is on leave at the Hoover Institution, Stanford, and a visiting professor at the political science department, Stanford.

Inventors get green light

by Jon Turney
Science Correspondent

University scientists will be urged to exploit their own inventions, subject to research council approval, following the final removal of the British Technology Group's rights over publicly-funded research.

The new arrangements were announced by Sir Keith Joseph, the Secretary of State for Education and Science, in a written Parliamentary answer this week. This follows 18 months of interdepartmental discussion after the Prime Minister's original declaration to dismantle the existing system.

The British Technology Group, which incorporates the former National Research Development Corporation, has had the first go at commercial development of state-sponsored research since 1950. That right is now abolished, and the job left to individual researchers and their institutions.

Sir John Kingman, the chairman of the Science and Engineering Research Council, has written to vice chancellors on behalf of all the councils to say

universities will be free to make their own arrangements for exploitation. The same principles will apply to the public sector when they have been established in universities.

However, institutions will have to submit details of their proposed new arrangements to the SERC for initial approval. University proposals will have to cover a series of topics laid down by the DES. They include:

- how promising discoveries will be identified and assessed;
- how intellectual property rights will be protected;
- finance and marketing;
- royalty payments;
- incentives for the researcher.

The Government wants to see British business benefit from the new freedom and institutions wishing to sell rights to overseas companies will have to get permission from the Department of Trade and Industry.

Universities' proposals will be examined by a committee with members from the research councils, the DES, the DTI, the University Grants Committee, the Committee of Vice Chancellors and Principals, and the Treasury. If they are approved, the institu-

tion will have to offer an progress report.

Universities will still be free to the British Technology Group advice, and it will promote its expertise in the field and its potential as a competition from new venture agencies already formed to the advantage of researchers' new freedom to shop around.

Sir Robin Nicholson, the chief scientific adviser in the Cabinet Office, Sir David Phillips, chairman of the Advisory Board for the Research Councils, both stressed the hope in the new arrangements would encourage individual researchers to be more active in exploiting inventions. Sir David said the same individual rights seek exploitation would eventually apply to employees in research council establishments.

In his announcement, Sir Nicholson writes: "I hope universities will give the fullest opportunity and support for researchers themselves, where they wish to do so, to assume responsibility for exploiting their own findings and ideas, with commensurate share in the benefits."

ILEA battle continues in Lords

by John O'Leary

Supporters of the Inner London Education Authority in the House of Lords will try next week to complete the safeguarding of the authority future.

Despite procedural confusion which resulted in two crucial amendments failing to be called, the Government has conceded defeat in the Lords on its proposal to an automatic review of the ILEA. It has reserved the right to restore the relevant clauses when the Bill returns to the House of Commons.

Now opponents of the Bill are preparing a new assault, this time on the restrictions the Government hopes to impose on the ILEA in its reconstituted form. Further clauses to be debated early next week deal with ratecatching, consultation with the London boroughs and the proposed ministerial veto on budgets and staffing.

However, leaders of the authority believe that the most crucial blow was struck with the defeat of the review. A spokeswoman said: "This was the really important one for its long-term implications. A lot of people took it that the Government was having a go at the Greater London Council now and was paving the way to get the ILEA in a few years' time."

The proposals would have allowed the Government to transfer the functions of the authority to the boroughs by Parliamentary Order if the review was unfavourable to the ILEA. Now, unless the Commons reverses the amendments, fresh legislation would be needed, although there would be nothing to stop ministers going ahead with a review.

The full extent of the Opposition's victory was put in doubt when it emerged that only one of the three amendments had been voted upon in the debate. However, the Government chief whip, Lord Denham, undertook at a meeting the following morning that the other two amendments would not be opposed in the Lords if they were moved formally at the report stage of the Bill.

Starring role for McCabe

Professor Colin McCabe, who was at the centre of the Cambridge University structuralism controversy four years ago, is to leave his post at Strathclyde University to become head of production at the British Film Institute.

Professor McCabe took up a chair in Strathclyde's English department in 1981 after Cambridge refused him a full-time teaching post because of his controversial views on teaching literature. He became Britain's youngest professor of English at the age of 31.



East meets West as Japanese philanthropist Kyochi Sasakawa is welcomed by Peter Jenner Hayward, the great-great-great-nephew of Edward Jenner, the discoverer of the smallpox vaccine. Mr Sasakawa has donated £500,000 to establish a museum celebrating the life of the pioneering immunologist at his former home in Berkeley, Gloucestershire.

Service first rate, funding third rate, lecturers told

by David Jobbins

University academics are providing a first class service with third rate funding, a union leader claims. In real terms universities are operating on 40 per cent less money than six years ago, Dr Ron Emanuel, retiring president of the Association of University Teachers, was to tell the union's council in Glasgow yesterday.

That cut has been achieved at the expense of AUT members - those forced into early retirement and those on short-term contracts that have not been renewed, he says. It is also at the expense of the salaries and working conditions of academics still in the universities.

The same number of students are being taught, the finest university education in the world is being provided and research admired and envied throughout the world continues. The service is still being provided by academics who care about extending their subjects through research and passing their knowledge, joy and pleasure in their subject to their students.

"But that is not the right signal to give to this government," Dr Emanuel was to tell delegates. "With this gov-

ernment if you respond to a cut in funding by continuing to do the job well despite the cut, it merely seeks to consolidate that cut and to inflict further cuts. That is what is happening now."

Both the University Grants Committee and the Department of Education and Science in their proposals for planning, are involved in a "crude attempt to consolidate and accommodate the 1981 cuts".

"We cannot allow the past cuts in salaries and in funding to become consolidated any more than we can allow the proposed future cuts to be implemented."

If current pay levels become the new baseline, proof against all the relativities, or comparabilities arguments, academics are sacked and research opportunities reduced, lecturers come to an end, he warned. "If that happens the university system this country has enjoyed over the past 25 years will be a university system in name alone."

Council delegates are today due to discuss how to reverse the erosion of university academics' salaries.

Covenant system simplified

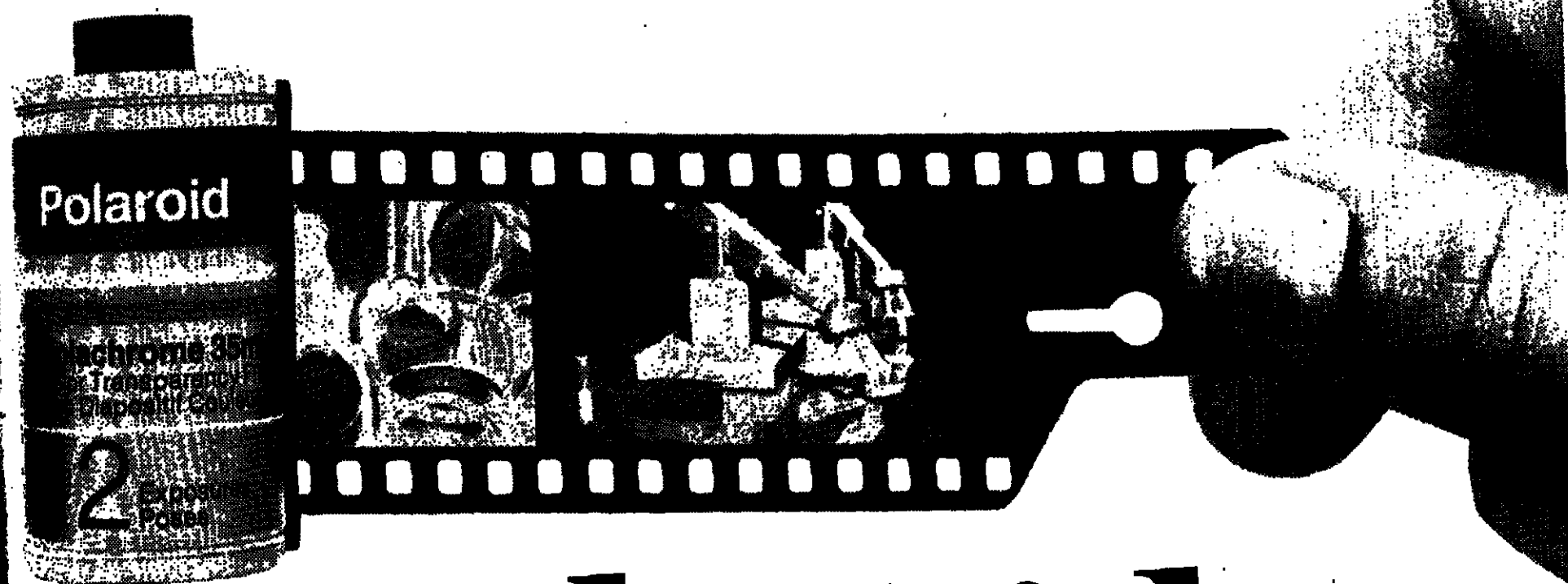
The Inland Revenue is to make it easier for parents to covenant parental contributions to their student children. New simplified procedures are to be introduced from the beginning of the 1985/86 academic year, including revised forms to ease the task of making out a valid deed on covenant, and a repayment claim form specially tailored to the needs of students.

The Inland Revenue is to prepare a student pack which will include leaflets explaining the system together with all the necessary forms. According to a survey conducted for the National Union of Students 51 per

cent of students whose parents were assessed for a parental contribution already receive it in the form of a covenant.

The NUS said the announcement by Treasury minister Mr John Moore appeared to quash rumours that ministers had been intending to end the covenant procedures for recovery of tax paid on parental contributions.

The NUS publishes its own guide to covenanting for £1, but others are available from banks, the Consumers Association and insurance companies at higher prices - allegedly up to £25. The Inland Revenue guide will be free.



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ANTI-THESIS

International rhubarb fool

European unity is still a distant dream, given the linguistic chauvinism which erupted at the European education ministers' conference in Brussels last week.

A Swiss professor attacked one resolution which was "not in elegant French", and was told it had been translated from English.

The Dutch education minister complained that another paragraph was "in Latin" - it emerged that this was the Netherlands' phrase for Double Dutch. Her assessment proved accurate when the offending passage was found to have come from the Holy See.

And one of the gallant simultaneous translators, who wearily began to interject "rhubarb, rhubarb", almost created an international incident when he reported French minister Jean-Pierre Chevènement as saying: "Someone who speaks three languages is trilingual; someone who speaks two languages is bilingual; someone who speaks one language is a moron - I mean, an American."

Hard work, headhunting. The Department of Education and Science recently commissioned a firm of consultants to find a new chairman for the troubled Natural Environment Research Council, to succeed Mr Hugh Fish, who agreed to serve for a year on Sir Herman Bond's retirement. The agency scoured the country for a candidate of suitable scientific and administrative distinction, and the single suggestion is now before Sir Keith Joseph. It is Mr Hugh Fish.

Co-efficient backscratching

Vice chancellors may not have been very impressed with the Jarratt report on efficiency but Sir Alex Jarratt's chairmanship found great favour with University Grants Committee chairman Sir Peter Swinnerton-Dyer, who served on Jarratt.

Jarratt's recommendation for a review of the role, structure and staffing of the UGC has been accepted by the Government and who better to chair it, Sir Peter has been heard to say, than Alex Jarratt. Sir Peter of course hopes the review will show how understaffed the UGC is and support his call for more resources.

Those questions on the recent history of the Labour Party which had one of the contestants in the BBC Mastermind final floundering also kept a few keen observers of the political scene guessing.

They had been set by former Labour higher education spokesman Mr Phillip Whitehead, who has returned to television after losing his seat in the 1983 general election.

Sexcessful treatment

From the sun-baked, luscious plains of Golden Valley, California comes good news for lesbian academics everywhere - the existence of the Sexual Dependency Unit, a 20-bed refuge for impatient treatment of the "sexually addicted individual". A notice advertising the unit's activities - reproduced, interestingly, in some detail in Southampton University's *Viewpoint* magazine - explains that appropriate patients should have "compulsive, self-destructive patterns involving the following behaviours: pornography, strip shows, masturbation and (of course) heterosexual relationships". Symptoms of excessive sexual behaviour, the notice continues, include severe physical depletion, exhaustion and alienation. And we all thought it was the fresh air in sunny Hampshire.

New plea to end monkey research

by Olga Wojtas
Science Correspondent

The Scottish Anti-Vivisection Society has again urged Glasgow University to end its controversial primate research links with Pennsylvania University following the intervention of a United States Congressman.

Glasgow University's court was this week to see a letter passed to it by the society from Congressman Thomas Foglietta calling on Pennsylvania to accept an independent investigation of its head injury clinical research centre.

There has been widespread criticism of the Pennsylvania research which subjects monkeys and baboons to pressure to create brain damage. Glasgow's department of neuropathology conducts collaborative research on the animals' brains.

Congressman Foglietta, in a letter

to Pennsylvania's president, says: "Although I understand the unfortunate but sometimes necessary needs of the research community to perform experiments on live animals, in this particular instance the inhumane pain and suffering inflicted on these primates appears unjustified."

Controversy over Glasgow's collaborative research was sparked off last year when the Anti-Vivisection Society obtained videotapes of the Pennsylvania experiments stolen by American animal rights activists.

The court has refused the society's offer to screen 70 hours of unedited tape. Following assurances by Pennsylvania that their laboratories had been approved by an independent group, it agreed last month that the research should continue.

However, the court is now re-ex-

amining the issue as a result of a warning by a former Glasgow law professor now at Pennsylvania that he fears there has been a cover-up by the Pennsylvania authorities.

Professor Alan Watson, who is at present in Scotland, offered last month to go to Glasgow to discuss the matter, but said this week that the university has not contacted him.

"I would like to think the court will decide to sever links with Pennsylvania," he said. "I found the tapes absolutely horrifying. There was a great deal of verbal abuse of the animals, cigarette ash was dropped on them, they were not anaesthetized. Helmets on their heads were beaten off with hammers, and baboons' ears were torn off in the process."

Pennsylvania has consistently denied that the animals were not anaes-

thetized, although it admits that experimental malpractice was now ceased.

A report from the United States department of agriculture, which also to be discussed at court, cited a very large number of violations in the animals' care.

Mr James McCargow, secretary of Glasgow's court, said Professor Watson's allegations had been taken seriously and the university was awaiting a reply from Pennsylvania president.

Some 80 animal rights supporters in Belfast last week staged a demonstration at the Queens University biology sector in the latest phase of a battle to have an unrestricted finding tour of the building.

SDP proposes quality control

by David Jobbins

Universities could face tougher controls over the quality of their undergraduate teaching under an administration in which the Social Democratic Party was able to influence national education policy.

SDP leaders feel that Lindop-style proposals for a relaxation of existing controls through the Council for National Academic Awards on polytechnics and other public sector colleges are a move in the wrong direction.

Mrs Anne Sofer, who chairs the SDP's policy group on education, told polytechnic lecturers this week that the idea that teaching standards in the university were assumed excellent had survived for a very long time.

Speaking at the annual council of the Association of Polytechnic Teachers, she acknowledged the non-TUC union's view that many polytechnics were now sufficiently mature to shrug off external validation.

But she added: "I have to say that my own inclination would be to go the other way and try to press for some inspection and external validation of universities such as the polytechnics are now subject to."

"I see no reason why the universities should continue to enjoy quite the degree of autonomy they have had. I do not think it has been good either in terms of innovative courses, student satisfaction or standards."

The SDP's endorsement of the Leverhulme proposals for a two-year

general degree followed by a further two years leading to a vocational qualification was as unpopular with the APT, which has led the fight to retain three-year degrees, as she acknowledged it would be with university lecturers.

APT chairman Mr John Dawson told the council: "APT welcomes the fact that Lindop's main recommendations follow closely the evidence presented by APT."

"It is typical that the vested political interests of the local authorities and the National Association of Teachers in Further and Higher Education have attacked the report. These are the interests that have held back the public sector of higher education in our polytechnics and colleges."

A £1.3 million staff development project is being launched to update teachers in further and higher education to the latest needs of industry and commerce.

The aim is to establish a network of updating centres, by forming links between colleges and local firms. Lecturers attending short courses at the centres will be briefed on the latest technological and business developments before returning to their institutions to compile updating courses.

Local education authorities are being invited to bid for funding for the centres, which are to be established under the PICKUP programme of professional, industrial and commercial updating run by the Department of Education and Science.

Announcing the start of the scheme this week, Mr Peter Brooke, higher education minister, also revealed that the DES is examining the possibility of creating a new national scheme of industrial secondments for teachers in further education. Staff would be encouraged to take advantage of opportunities to work in industry, and demand would be matched to placements on a nationwide basis.

Mr Brooke was speaking at the launch of Local Enterprise Week, organized by the Department of Trade and Industry to promote help for small firms, and which this year has chosen as its theme the need for stronger links between small businesses and education and training.

Mr Brooke reviewed the work of the PICKUP programme during the last three years. If institutions were to provide training which improved competitiveness and enterprise in industry, then lecturers had to be familiar with the latest trends in their own fields.

"This means identifying those colleges and polytechnic departments of firms which are at the forefront of change, to which lecturers can go to experience and learn about the latest in technological and business practice," he added.

In addition to the £1.3 million being made available under the latest teacher training grants scheme, a further £300,000 will be provided by the PICKUP programme to design suitable training courses for the updating centres.

In a further bid to improve the standards of teaching staff in marketing and business, the DES is to establish a new PICKUP training unit later this month.

Firm link-up announced for lecturers

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Local education authorities are being invited to bid for funding for the centres, which are to be established under the PICKUP programme of professional, industrial and commercial updating run by the Department of Education and Science.

Announcing the start of the scheme this week, Mr Peter Brooke, higher education minister, also revealed that the DES is examining the possibility of creating a new national scheme of industrial secondments for teachers in further education.

Staff would be encouraged to take advantage of opportunities to work in industry, and demand would be matched to placements on a nationwide basis.

Mr Brooke was speaking at the launch of Local Enterprise Week, organized by the Department of Trade and Industry to promote help for small firms, and which this year has chosen as its theme the need for stronger links between small businesses and education and training.

Mr Brooke reviewed the work of the PICKUP programme during the last three years. If institutions were to provide training which improved competitiveness and enterprise in industry, then lecturers had to be familiar with the latest trends in their own fields.

"This means identifying those colleges and polytechnic departments of firms which are at the forefront of change, to which lecturers can go to experience and learn about the latest in technological and business practice," he added.

In addition to the £1.3 million being made available under the latest teacher training grants scheme, a further £300,000 will be provided by the PICKUP programme to design suitable training courses for the updating centres.

In a further bid to improve the standards of teaching staff in marketing and business, the DES is to establish a new PICKUP training unit later this month.

Union may break insurance links

by David Jobbins

College lecturers are under pressure to break a 40-year-old link between their union and an insurance company which has been a substantial contributor to Conservative Party funds.

The outgoing treasurer of the National Association of Teachers in Further and Higher Education, Mr Bill Easton, is to be questioned closely at the union's annual conference next week on the reasons for the continuation of two important business links with the Commercial Union. These are the Commercial Union's approved pension scheme under which it has special access to Natfhe's members offering discount on personal insurance, and the Commercial Union's management of the staff pension scheme.

Mr Tony Mitchell, a lecturer at Bedford College of Higher Education, led the campaign for the links to be ended. He said: "It is indefensible morally and totally contradictory for Natfhe to be publicly identified with a company which is closely associated not only with a political party but also with one to which in areas of policy we are so frequently opposed."

At last year's conference motions were passed opposing Government policies while in the next room the insurance company was "persuading members to part with their hard earned money in return for Commercial Union benefits".

The company which has about 20,000 Natfhe members holding its policies, has been a regular financial contributor to the Conservative Party. In 1981 it contributed £25,000; in 1982 £25,000 with a further £2,500 to the

Centre for Policy Studies; and in 1983 £18,000.

In recent years smaller sums have been donated to the Social Democratic Party but last year the company decided against making any political contributions. A spokesman this week made clear that the decision was entirely due to the company's trading position and that the renewal of political contributions would be reviewed in the light of future trading results.

The involvement with the Commercial Union was first raised by Natfhe's East Anglian region at the union's conference in 1981, and in November 1982 Natfhe's national council voted to end the association. But union leaders decided to restrict their action to a protest to the Commercial Union and to detail changes in the management of the staff pension scheme.

Before the changes withdrawing the £2 million involved in the pension scheme would have led to a £100,000 loss in the face value of investments and the losers would have been the staff.

But according to Mr Easton, there will be no loss if five years' notice of withdrawal is given.

Mr Mitchell intends to press for notice of withdrawal to be given so that the connection will end by 1990. Delegates from his region have also been mandated to press for removal of approved status.

Natfhe has special arrangements with a number of insurance companies which, said Mr Mitchell, have a "clean bill of health".

The Commercial Union intends to send a representative to the conference in Plymouth to "show the flag" as usual.

More Ulster women opt for science

by Carmel McQuaid

Northern Ireland pupils have a better level record than their English counterparts. In 1982 22 per cent left school with at least one A level, as against 17 per cent in England.

Women in Northern Ireland are increasing their stakes in higher education and breaking free from the decades-old pattern where they opted for arts rather than science.

Under girls remain longer at school - more likely than boys to obtain A levels - though a higher proportion of female pupils still go to university and postgraduate studies.

These findings were revealed by Mr J. Livingston, a Department of Education Statistician, at a British Psychological Society conference in Northern Ireland last week.

The experience heard that while one in five girls leave school with A levels, only one in five boys does. Yet about 80 per cent of girls go to university. But girls are gaining ground. The 38 per cent of undergraduate places filled by women in 1974 had risen last year to 55 per cent totalling 8,537. The proportion of women postgraduates had also increased from 26 to 31 per cent.

The subjects boys take at A level have hardly changed at all since 1974 with 37 per cent continuing to study science, 40 per cent arts and 33 per cent a mixture. But girls have changed their minds considerably. Ten years ago 70 per cent of girls did arts subjects, but this had reduced last year to 54 per cent with 18 per cent taking science and 28 per cent a mixture of each.

At university 25 per cent of women and 54 per cent of men study science. This pattern almost balances if the number of male engineering students is included.

The remarkable turnaround of the Northern Ireland education system has been reached locally, the progress has not been ratified by the Department of Education, making the lecturers the only one in the authority not to have a facilities deal.

Mr Ian MacKay, Natfhe's regional official for the north west, deplored the authority's insistence on 1973 standards when the tribunal despite a declaration of a dispute by the teachers' union was period leant to issue a warning without any evidence to the government.

Promotion case decision is delayed

An industrial tribunal has reserved its decision on a black Teeside Polytechnic lecturer who claims he was blocked from promotion.

Principal economics lecturer Mr Sukhu Ramotaur is claiming against Cleveland County Council that he failed to become a head of department at the polytechnic because of his colour. He alleges that a conspiracy was hatched to stop him getting the job of head of the business and professional studies department.

But Mr Adrian Dent, representing Cleveland county council, at the Middlesbrough tribunal, dismissed the "conspiracy theory" as "rubbish". He said there was no evidence to support the case that Mr Ramotaur was refused the job because of his race.

Mr Ramotaur, 49, of Middlesbrough, had told the tribunal he was the victim of hostile questioning at interview. Mr Martin Mablepiece representing Mr Ramotaur alleged that polytechnic director Dr Michael Longfield had disregarded glowing testimonials about Mr Ramotaur. Mr John McClintock, also a principal lecturer in the department, had earlier told the tribunal three economists had come to him complaining about Mr Ramotaur.

He said he was then a temporary deputy head of department and did nothing about the complaints because both he and Mr Ramotaur were in for the job of head of department.

But Mr Mablepiece put to him: "Is it not the case that you and your friends were absolutely petrified of having a black head of department?"

But Mr McClintock replied, "No, why should we be?"

The result of the case will be announced later.

Aberdeen record

A record 73 per cent of Aberdeen University graduates have found permanent jobs, according to the university's careers and appointments service. Its latest figures show that 9 per cent of those graduating last year are thought to be unemployed, with 10 per cent unemployed for arts and social science graduates, 8 per cent for applied science and 7 per cent for pure science graduates. Three quarters of those who find jobs stay in Scotland.

Keystone in a merger foundation

by Peter Aspden

The frenetic building work taking place amidst the tranquil grounds of Royal Holloway and Bedford New College in Surrey is a testament to one of the more successful parts of London University's protracted reorganization.

A key figure in the merger of the two colleges, so similar in tradition, is the newly-appointed principal of the joint institution, Professor Dorothy Wedderburn, who sees the brickwork and scaffolding on the site as a vital morale booster in a time of uncertainty.

"In a sense, the last three years have been wasted as far as academic advances go, because of all the disruption caused by the move to the Egham site. Now to be told there isn't going to be full funding and that we have to cut further is depressing," she said.

But people have been taking it far better than I feared. They are quick at seeing the implications of what is happening, because of 1981, and to see buildings rising all around you is very good for morale."

Professor Wedderburn sees the merger of the two colleges as an inevitable move which made academic as well as financial sense.



Personal File

"It was important that we had similar backgrounds being women's colleges originally, and there was no sense of one college absorbing the other" - a drawback, she feels, of the proposed merger with King's. "No one wants to lose their sense of identity, so the talks were going to be inevitably tricky. But Bedford and Royal Holloway had definite com-

plementary interests, so it has all worked out rather well."

Professor Wedderburn has never been an ivory tower academic, having concentrated her academic career on the industrial implications of economics and sociology, and helping to establish courses in industrial relations, management and economics for scientists during her spell at Imperial College.

With so much time spent on merger talks during her last four years - an experience for which her six years with the Advisory, Conciliation and Arbitration Service must have prepared her well - Professor Wedderburn has found little time to think about the broader aims of the new institution.

"But I am very keen to keep faith with our origin as a women's college, by our admission mix and by seeing what we can do to attract mature women, as we have a very large potential catchment area."

Once started, her favourite themes come tumbling out: women in science, the need for "managerial" leadership ("which doesn't mean accepting the dictates of the DES") and the importance of versatility. It somehow promises to be an even busier time for the college in the coming years.

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It's not all in the name

The debate around the Lindop committee's proposals in public sector validation cannot be allowed to continue as a debate on whether a polytechnic should become a university, in principle or practice, in general or specific.

Sir Keith Joseph narrowed the remit of the committee to begin with, so that it did not include universities and now the press and commentators look like narrowing the discussion still further.

The real issue that lies behind the currently renewed quest for universal status is the need to break down the binary divide between the universities and the public sector.

As long as this divide is maintained then universities will continue to receive priority in funding and polytechnics and other public sector higher education colleges continue to be forced to struggle along on totally inadequate resources.

Tactically the row about name changes has been successful on one level - that of attracting attention to the discontented polytechnics.

At the same time, however, it has dealt the campaign for improved public sector funding a previous blow by centring the debate on name changes and not on the underlying funding problem.

Ironically it reinforces the very arguments it sets out to undermine - that is, somehow, better to be a university than a polytechnic and simply succeeds in consolidating this view in the public mind.

It has also served to distract attention from the very real threats carried in Lindop's proposals; that of the lessening of public accountability of the public sector of higher education and the imposition of an even more hierarchical structure than already exists in higher education.

The grading of institutions into Lindop's four bands leaves those in the "bottom" bracket immediately vulnerable and attempts to accrete to those at the "top" a similar status to universities and enable them to avoid any national accountability.

There are also grave unanswered questions as to whom, and on what evidence, would make the decisions as to how colleges would be categorized.

For students, the report must be seen as a major cause for concern. The National Union of Students fought long hard battles to establish the right of the representation of student views on college courses and conditions. Through its institutional reviews the Council for National Academic Awards encouraged that representation.

If the institutional reviews are now to be abandoned how does Lindop propose to seek the opinions of students which is essential if the validation of courses is to have any legitimacy?

The answer is, of course, that there is no alternative forum proposed. Attempts to move away from public validation will discredit the public sector of higher education.

If public sector administrators believe that adopting either the titles or the unaccountable methods of the universities for some colleges, and allowing the sector to become fragmented will aid their quest for survival, they are making a grave mistake.

Mark Hatton

The author is a national executive member of the National Union of Students.

Axe over institute directors

by John Turney
Science Correspondent

The Agricultural and Food Research Council is to streamline management of its institutes as a prelude to fresh mergers and closures of laboratories. And new policy proposals from the council raise the question of a more general reorganization of research council responsibilities for the biological sciences.

The proposals are in a "green paper" launched this week by the council's new secretary, Professor John Jinks, formerly of Birmingham University. The final paper is the fruit of a two-year battle to persuade AFRC council members and institute directors that management changes are needed.

The council wants to cut the present number of 27 institute directors it has to deal with to ten or less, each with responsibility for a broad area like animal diseases, arable crops or horticulture.

The ten will join a new management board, overseeing the council's research policy. This will require difficult negotiations with the 20 or more AFRC-supported institutes which now have separate governing bodies.

The model for the new institute groupings will be the arrangements now in hand for food and horticulture.

where directors are being appointed with overall responsibility for three institutes each. Professor Jinks said that in such areas, one institute would quickly become dominant, and the others would close unless there were special scientific or local reasons not to.

Even with strong efforts to attract more private funds, the council expects a reduction in income, and Professor Jinks said there must be a further reduction in institute overheads. "The worst that could happen to AFRC would be to allow the present rate of contraction to continue and end up with 26 half-empty institutes," he said.

The council already faces further closures this year when it learns the decision of the Ministry of Agriculture, Fisheries and Food on division of cuts in commissioned research imposed in this year's budget. The MAFF has to reduce its research spending by £10 million this year and the same again in 1986/87, and will divide the savings on the advice of the new Priorities Board for Food and Agriculture Research, chaired by Sir Kenneth Durham of Unilever.

Early indications are that the ministry will favour its own research effort over commissioned work. Even though the Advisory Board for the Research Councils has secured assurance

that costs from redundancies and closures brought about by new cuts in the AFRC will not be borne from the research councils' science vote, for this year at least, the consequences will be very serious for the council.

In the longer term, the AFRC's policy paper points to the increasing relevance of agricultural biotechnology to areas outside traditional agriculture, like chemical and drug production, energy and wood products.

The paper questions whether the existing division of responsibilities between the research councils will permit optimum exploitation of new technology in these areas. Professor Jinks said this did not denote an ambition on the AFRC's part to expand its remit, but some AFRC officials point to the possibility of transferring the Science and Engineering Research Council's biological sciences committee to the body which is now, in the paper's words, "the largest non-medical biological research capability in the United Kingdom".

The AFRC might also be a candidate to take over some of the work now supported by the Natural Environment Research Council, whose break up is now being promoted by some scientific lobbies, notably the geologists.

A long-term view of the agricultural and food research service, AFRC. Free.



London students joined the regular Friday afternoon picket outside the South African embassy in Trafalgar Square, London.

APT lodges representation protest

A protest over staff representation on the governing body of the institution to be created from the merger between Thames Polytechnic and Avery Hill College has been lodged with Sir Keith Joseph, Secretary of State for Education and Science.

The non-TUC Association of Polytechnic Teachers claims that staff representation from the polytechnic will be reduced not only in proportion on the new court but in numbers.

The APT believes scope for "extra-constitutional influence" by the Inner London Education Authority is reduced in the merger proposal. But its national secretary, Dr Tony Pointon, has told Sir Keith that the presence of the Inner London standing joint advisory committee of teachers and officers

"appears designed to add to the type of political representation which has had such a disastrous effect in another ILA polytechnic".

The agreement of the two institutions and ILA to the terms has been reported to Sir Keith, and the merger is effective from September 1.

The court is being expanded from 39 members to 49 - the largest regarded as workable, by a steering committee established to oversee the merger. But the number of staff representatives remains at four - with the proviso that at least one must come from Avery Hill for three years.

It is this that has prompted APT's claim that academic staff representation from the polytechnic would be reduced in actual numbers.

Too many tests spoiling the BTEC broth, says HMI

The report which was published this week is based on a survey of some seven institutions, six colleges and one polytechnic, carried out between October 1983 and May 1984. HMI adds that teachers' expectations varied but on occasions were too low, judged from the generous marking of assignments. The wide variety in assessment practices also made it difficult to make reliable comparisons of students' performances between different colleges and schools.

In one centre, HND students completed 14 weeks of 21 three tests, seven end of unit tests and 12 self-tests. This was not unique. This gave a very heavy load to most students and some of them complained about excess assessment," HMI says.

in find a loophole whereby HND students could embark on the studies surveyed without any experience in mathematics.

As far as industrial experience is concerned, HMI says that course planning should be improved to ensure that students have the requisite skills and knowledge and briefing to undertake the training programme.

It adds that inservice training should include the release of teachers to industry in order that they may update their practical experience. Further

Lecturers vote for action

by Olga Wojtas
Scottish Correspondent

Scottish further education lecturers have voted to support a campaign to demand that the government's action plan for the sector be implemented.

Members of the National Education Lecturers' National Section of the Scottish Educational Institute of Scotland voted to hold a ballot, against an executive's advice, recommending industrial action unless the government guaranteed that the action plan's major courses would not be available to private agencies.

Mr Mike Morris, vice chairman of the section, told delegates at an annual conference that he was not achieving the impossible. It would require immediate nationalization of publishing houses and state control of all photocopying machines.

What could be controlled by validation of the courses, and the union had already won the argument that private agencies' modules were not validated. Delegates also voted for a ballot on industrial action unless their class contact hours were reduced to enable staff to carry out assessments required by the action plan.

Another motion, specifying minimum class contact hours, ranging from 14 to 22 hours a week, was remitted to the executive on the grounds that it could hamper part-time gains. There was an unsuccessful attempt to have a FEAS campaign for the withdrawal of trade support from the Youth Training Scheme.

Mr Joe Eyre of Langside College criticized the scheme as a "punch attack on young unemployed students" and said the only way it could be changed was for the trade union movement to condemn it as a fraud.

But Mr Jim Whyte of the Royal College of Commerce said mass unemployment was not about to go away and the issue was not whether the scheme should continue but what its objectives could do to make it workable.

The FEAS also called on the Secretary of State for Scotland to set up a national development plan for adult basic education. Mr Sue Angus of Lothian Adult Basic Education said Scotland was far from providing an adequate service for adults, and remained a very low priority in the eyes of local and central governments. Some 300,000 Scottish adults were below the level expected of school leavers, but only between 10 and 18,000 were being provided for.

"Scotland is being starved of funding compared to England and Wales," he said. England had 200 times the money for development projects that Scotland had, despite having only 10 times the population.

One unsuccessful motion sought democratic college organization for all principals, heads of departments and promoted lecturers to elect the post for a year at a time, and all lecturers to be paid the same, with differentials depending only on length of service.

However, delegates voted for an amendment seeking the right for college branches to take disputes over college structure to their negotiating committee.

Appeal handout

Edinburgh University's general council appeal fund has topped £200,000 just over two years after it was launched. The council's trustees have awarded some £130,000 to 15 departments and student organizations.

Two universities planned in Cyprus

by David Keys

Cyprus - a country which has never had a university - is now likely to have two.

Both the Greek-speaking Republic of Cyprus and the internationally unrecognized Turkish Republic of Northern Cyprus are planning to create universities in the near future.

The Republic of Cyprus government expects to announce shortly a decision to build a university - probably in Nicosia. The Turkish Cypriot authorities are considering a plan to set up a business management school which together with their existing Higher Technological Institute would constitute a two-faculty university.

Up until now, Cypriots have had to go abroad for a university education. Some 10,000 Greek Cypriot students are currently taking higher education courses in 34 countries.

It is expected that the new university in the internationally-recognized Republic of Cyprus will be built with aid supplied by the World Bank, UNESCO and countries friendly to Cyprus. The decision to build it, not yet officially announced, follows several years of work by a special Republic of Cyprus government study group.

The government will neither confirm nor deny that a final decision has been taken to build a university. However, the country's director of education, Mr Stavros Philipides, says that a university may be established, but that there may be some doubts in the near future.

"We want a university for all Cypriots - Greeks and Turks and all other

people living in Cyprus," he said. A Cypriot university would also be open to students from neighbouring countries, he added. The first schools likely to be established would cover science and engineering and social studies.

The decision to launch a university in the Republic of Cyprus is likely to considerably increase the number of unemployed graduates. At present the republic has an unemployment rate of only 3.5 per cent - but most of the jobs are graduates.

Despite its lack of a university Cyprus has one of the highest percentages of graduates in the world. At present 43 per cent of Greek Cypriot university students study in Greece, 21 per cent in the United States, 12 per cent in the UK, 7 per cent in Germany, 3 per cent in France and 5 per cent in the Soviet Union and other Comecon countries.

In the Turkish part of the island - the Turkish Republic of Northern Cyprus - the authorities recently received a senior education official from Turkey, Mr Ilhan Dogramaci. It is understood that he suggested creating a business management school which would be linked to the existing technological institute to form a university.

The idea is thought to have Turkish government support - but some minority party politicians are demanding the creation of a purpose-built university. If the business school and technological institute link-up was implemented it would have a split site because the technological institute is located in Famagusta while the business school is likely to be built in a disused hotel or other building in Kyrenia.

France to impose new restrictions on foreigners

from David Dickson

The French government is to tighten up the conditions under which foreign students are allowed to live in France. In future, foreign students will not be allowed to take on temporary work while studying during the first year of study and will only be allowed to do their second and following years of study on produce documentary evidence confirming that they are taking an approved university course.

In addition, students will only be eligible for temporary residency permits (*cartes de séjour*) in France if they can prove an income of at least Fr400 (£156) a month - a 20 per cent increase.

As originally proposed in a circular from the Ministry of the Interior published last September, the new regulations were to have been even tighter. For example, all foreign students would have been required to present evidence of their university studies, such as certificates showing that they had passed the necessary exam.

The government claimed that these regulations were necessary to prove that those allowed to live in France were genuine students. It argued that many foreigners were using the student status to get round restrictions on employment.

The new rules created however, a substantial protest not only from organizations representing the interests of different groups of foreign students in France, but also from university teachers. They argued that it should be up to universities alone to determine whether a student's course was genuine, and that they should not be required to operate as a form of immigration control.

In one instance, a student in Lyon received a letter from the local police station asking him to submit within one month photocopies of all diplomas received since entering France in 1978 and confirmation from the educational establishments attended of the marks obtained in all exams taken since then.

A letter sent two weeks ago to the Minister of the Interior, M Pierre Joxe, from 50 prominent academics and 18 foreign student organizations argued that a process which allowed individual students to be assessed anonymously whatever their country of origin, was based on one of the fundamentals of democracy.

Following these protests, M Joxe announced that the requirement for documentary proof of university studies would only be applied to students who took on temporary work during their second and subsequent years in France.

Furthermore, he has agreed that the minimum resources required of Fr1800 a month will be reviewed by the ministry of national education in consultation with representatives of student organizations.

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overseas news

Kenyan students face clampdown

from Wachira Kigitho

NAIROBI

The University of Nairobi has brought in tough regulations to prevent future demonstrations and class boycotts on the main campus.

The University of Nairobi main campus reopened on April 22 after the government ordered a two and a half months closure following a week of unrest in February that led to a clash with police. During the confrontation one student was killed and others injured including 32 policemen.

The crisis was triggered by the university administration's decision to expel three student leaders and withdraw scholarships from five others. The climax was the arrest of 19 students, including the former chairman of the Students Organization of the University of Nairobi (SONU), Mr Julius Mwandawiro Mwangha, who was enrolled as a postgraduate in the department of African languages and linguistics.

During the closure the government took the opportunity to charge the 19 students with various criminal activities. Fourteen have had commuted a university Land-Rover to seek financial assistance from Kenyan University College were found guilty of unlawful use of a university

vehicle and each sentenced to six months imprisonment.

During the hearing their lawyers withdrew from the court, alleging ill-treatment from the court. The four advocates representing the students claimed that the court had changed the hearing dates without consultation and left them with insufficient time to prepare the case for the defence.

The presiding senior resident magistrate, Mr S. E. O. Bosiro found Mwangha guilty of convening four illegal meetings at the university and fined him Sh5,000 (£225) for taking part in unlawful assembly. Three others were fined Sh5,000 each for the same offence while another was acquitted.

Delivering the judgment, Mr Bosiro castigated the police witnesses for being inconsistent and said he suspected they were not sure of what had happened during the crisis. He commended the vice-chancellor, Professor Joseph Mungai, who he described as an honest witness. Professor Mungai denied having seen students throw stones or having heard a police officer reading the Riot Act to them.

One of the charges against the four students was failure to disperse after the Riot Act was proclaimed by a police officer. Two university administrators denied having heard the proclamation.

Immediately the students reported for the university's reopening they were asked to sign a document containing new rules governing their conduct and discipline. In future it will be an offence for students to convene, organize or participate in unauthorized gatherings. Demonstrations or processions at the university have been banned unless authorized by the university administration.

Tailored in accordance with the University Act, the new rules empower the university council to suspend a student immediately pending disciplinary action if he or she has been engaged in classes boycotts, damage of university property or assault of teaching staff. Students convicted for criminal offences will face the same fate and perhaps eventual expulsion.

The document noted that invitations to visitors, including government ministers, diplomats or other persons, have to be channelled through the university authorities. The new regulations have to be ratified by the senate.

The new rules stipulate that correspondence with the media should bear the student's private address. From now on the dean of students will handle all correspondence affecting student business with representatives of foreign governments.

Tax officers blow the final whistle

from William Norris

WASHINGTON

The universities of America, ever-hungry for funds, may be about to lose a lucrative source of revenue. The tax collectors of the IRS - a daunting body of men who nailed Al Capone in days gone by - now have their beady eyes on the campuses.

What has been going on is quite simple. In order to attract charitable donations, the universities have been offering incentives. George Mason University in Virginia, for instance, has a splendid indoor sports facility called the Patriot Club. It boasts two running tracks, racquetball courts, a gymnasium and a sauna. For an annual payment of \$300 to \$600, donors can have full use of the facility, which they share with the state-run schools.

The point is that the donation is fully tax-deductible, which makes it a very attractive deal. This year the Patriot Club expects to raise \$185,000, which will be devoted to athletic scholarships.

A similar deal is being offered by George Washington University, where a five-year, tax-deductible pledge of \$1,000 will buy membership of the President's Club. Athletic privileges can be added for a further \$400 dollars a year.

At the University of Maryland, donors cannot buy athletic privileges, but they can join the Terra-pla Club which offers good seats at sports events and priority parking. For \$100 they can join the university's Century Club and use the library.

Other universities are renting out dormitory rooms in summer, and allowing outsiders to use their computer facilities. "It's the new trend in fund-raising - you get nothing for nothing," says Mr Alan K. Srebnick, director of development for athletics at George Mason.

But that, say the IRS, is exactly what you should get if you make a tax-deductible donation. Otherwise, according to Robert McIntyre, the federal tax policy director for Citizens for Tax Justice, "it's not a contribution, it's a scam."

Federal tax rules state that anything of value obtained in return for a donation reduces the amount of the donation that can be deducted from income taxes. And the IRS is now preparing to enforce the distinction between a good cause and a good deal.

Though an attempt to crack down on university clubs that offer a spot on the waiting list for choice seats at football games to people who give tax-deductible donations to an athletic scholarship fund has been suspended after angry protests, the taxmen are not giving up. The men who cornered Al Capone are unlikely to be frightened off by academic wrath.

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Medics erupt over exam failures

from Barbara von Ow

MUNICH

Protests, strike calls and charges of manipulation are running high in West Germany after nearly half the country's medical students failed to pass the preliminary exam this spring.

Some 5,000 medical students staged a demonstration in Bonn earlier this month, blaming the health ministry and the Mainz-based institute that sets medical exams for the "exam disaster".

The Association of German Students, called on the country's 30,000 medical students to stage a nationwide strike this week to protest against the "scandal exam" and health ministry plans to make medical tests even more difficult.

Student groups have been running a storm of protest ever since it became known that a spectacular 42.8 per cent of this year's 5,675 medical candidates had failed the exam. In some cities, such as Hanover, Bochum and Essen, the failure rate was above 70 per cent.

In all cases, physiology proved the "biggest stumbling block", with students answering a poor average of only 24 out of the 60 questions posed.

A number of groups, including the Conservative Circle of Christian Democratic Students, has charged that the results of the exam were manipulated in a bid to stem the threatening tide of medical doctors in Germany. According to medical forecasts, as many as 34,000 may be redundant by the early 1990s.

Health insurance companies and medical associations have called on the Bonn government to take measures to counter the soaring number of doctors. However, they have rejected allegations that they were involved in manipulating the preliminary exam results.

Criticism has centred on the academic at the Mainz Institute responsible for setting the physiology test, Professor Gerd Gebert.

A number of former colleagues, who left the institute in protest against its exam procedures in 1982, have alleged that several of this year's exam questions were controversial. Gebert has rejected the accusations as absurd.

The students still hope that the results will be revised upwards as in 1981, when a total of 56 per cent of all candidates failed the preliminary exam and a special commission found grave mistakes in the test.

This time, however, the health ministry seems hardly inclined to order an inquiry. Instead, it has declared that the test was carried through according to the legal rules.

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Equality charter debated

Two very different human rights meetings opened in Ottawa last week. In the national conference centre, representatives of the 35 signatory countries of the Helsinki final act convened in closed session to review their own and each others' human rights performance.

Opposite, in the Chateau Laurier Hotel, the Canadian Association of University Teachers were discussing the practical implications for higher education of Canada's new Charter of Rights which became law last month. The Charter of Rights forbids all forms of discrimination, in particular discrimination in employment by age or sex. The charter was passed in 1982, but the three-year moratorium was set to allow federal and provincial legislation to be adjusted accordingly. The charter finally came into operation on April 17, 1985.

The two main issues for the CAUT meeting were the abolition of mandatory retirement and the hiring of women faculty members. Since 1979, CAUT has been opposed to mandatory retirement, and the Ottawa meeting overwhelmingly accepted (by 73 votes to 2) a set of guidelines which, while admitting the concept of a normal pensionable age at 65 (thus allowing academics to plan their financial futures), allowed for early retirement without actuarial penalty and for academics to stay on beyond pensionable age, so long as they are able to carry out their teaching workload.

Tenure should be extended beyond pensionable age, while provision should be made for part-time contracts for those older academics who no longer wish to tackle a full-time teaching workload. Although the abolition of mandatory retirement might be thought to threaten promotion prospects of younger academics, the Ottawa meeting produced few objections on this score. It has been generally accepted that early retirement will be a choice of "Mothusians" who wish to stay on. "Female hiring policy", however, has been a far more controversial issue in Canada for years. A CAUT publication of the late 1970s drew ironic attention to this with its title *Bu Can She Type?* In general, a CAUT spokesperson admitted at the Ottawa meeting, women tend to be hired lower down the academic ladder and under less favourable contracts.

In view of budgetary restrictions on university spending, the change is unlikely to result in a sudden rush of female hirings. However, in the case of the most blatant offenders, the University of Western Ontario, where no female faculty members have been hired for the last four years, an arrangement has been made to hire a limited number of women faculty members immediately, in anticipation of expected retirements over the next few years.

Financial problems could also affect implementation of the Charter of Rights, as regards access to higher education for the disabled. Wheelchair ramps and reading machines for the blind do not come cheap. Under the Charter of Rights, however, universities who fail to provide such facilities are liable to be taken to court.

Bacteria in cold storage as environment case drags on

from William Norris

WASHINGTON
Though a new report from the National Institute of Health has given the project the federal seal of approval, scientists from the University of California still have to wait before they can release genetically altered bacteria on to the field of potatoes near the Oregon border.

The affair has now dragged on for two years, and has become a cause celebre espoused by a group of environmentalists headed by Mr. Jeremy Rifkin. It centres on an experiment proposed by two Berkeley scientists, Mr. Steven Lindow and Mr. Nicholas Panopoulos, to demonstrate that a certain type of frost-promoting bacterium, *Pseudomonas syringae*, could be genetically modified to reduce frost damage to crops, specifically potato plants in California.

successful, the procedure could save farmers millions of dollars.

Preliminary field tests and experiments conducted in greenhouses near the Berkeley campus demonstrated that the frost-inhibiting forms did not harm other organisms or change the environment. Because the bacteria also have difficulty surviving in the field when competing with the normal form of *Pseudomonas syringae*, the scientists believed that their field test, to be conducted on a remote site in Tulare, California, would be environmentally safe.

They reasoned without Mr. Rifkin, who contended in a suit against the NIH that the release of the bacteria could do irreversible damage to the environment by allowing tropical plants and insects that would normally be killed by frost to displace other forms of native life. "It's a slippery slope," he said.

charged that an adequate assessment of the environmental hazards had not been completed before the NIH approved the experiment.

Last May, before a district of Columbia court, Mr. Rifkin lost the first point but won the second and was granted a temporary injunction. In February the court ruled that the injunction should not be lifted until the NIH had completed an environmental assessment of the proposed test. "That has now been done. The NIH, in a 60-page report, concludes that any bacteria that might be carried away from the test site by insects, birds, or gusts of wind, would do no harm to other living creatures and would be unlikely to survive or multiply. Even if many of the genetically engineered bacteria survived and multiplied, the risk to the environment is minimal," the report stated.

would result, since the bacteria already exist in nature with no harmful effects, and chemically altered bacteria have previously been released with no adverse environmental effects."

Mr. Rifkin, however, is unimpressed, and claims through his lawyer that the NIH have still not done their homework. He wants a deeper study involving ecologists and subject to public review.

Win or lose when the case goes back to court, the scientists are still not out of the wood. The environmental Protection Agency has informed them that it proposes to regulate the proposed experiment under the federal pesticide laws. The only consulting thought left to Messrs. Lindow and Panopoulos, fretting under yet more delay, is that frost is not likely to be a problem in California for some time.

overseas news

Evaluation committee starts work

from David Dickson

PARIS
President Francois Mitterand last Friday opened the inaugural meeting of a new committee which has been established by the government to provide, for the first time in France, an independent evaluation of the performance of the nation's universities.

The creation of this new committee, whose role is providing the government with advice on how to make best use of public funds in higher education is being compared to that of Britain's University Grants Committee, was one of the more significant innovations in the new higher education law introduced by the government at the beginning of last year.

The ministry of national education announced last week that the chairman of the new committee will be the eminent mathematician Dr. Laurent Schwartz, an appointment which carries some irony since Dr. Schwartz, although a long-time supporter of socialist causes, was also one of the more outspoken critics of the government's law in its originally-proposed form.

The then minister of national education, M. Alain Savary, was forced to make several changes in the law following widespread protests in university circles in the autumn of 1982. Much of this opposition had been promoted by the arguments put forward by Schwartz in his book *Saving The University* that the government's efforts to democratize university administration threatened to undermine the quality of both teaching and research.

Dr. Schwartz's appointment as head of the evaluation committee reflects the greater emphasis on questions about quality in higher education that is now being stressed by Savary's successor, M. Jean-Pierre Chevènement, as part of an educational philosophy which M. Chevènement describes as encouraging "republican elitism".

The government hopes that concerns in the academic community about being placed under external scrutiny will be softened by the fact that nine other members of the 15-strong committee have each been appointed on the recommendation of sections of

either the National Council of Universities (Conseil Supérieur des Universités) or the National Centre for Scientific Research.

Individuals appointed in this way include a former chief vice president of the Conference of University Presidents, political scientist Jean-Louis Quermone, and the physicist Pierre Agre, formerly secretary of state for research under the previous administration of President Valéry Giscard d'Estaing who now works with the electronics company Thomson.

The main function of the new committee will be to perform a regular analysis of the activities of universities "in the general framework of their scientific and educational policies". This will include an evaluation of the performance of contracts passed between individual universities and the government, as well as the award of higher degrees.

The committee is expected to spend a substantial proportion of its time making site visits to individual universities, and has been given the power to call in outside experts and to set up

study groups on particular issues. It will prepare an annual report which will be publicly submitted to the president, summarizing both its strengths and weaknesses that it has found in the university system.

The fact that President Mitterand personally agreed to address the meeting of the committee last Friday taken to reflect his personal desire, like that of M. Chevènement, that the government should pay closer attention to academic quality in universities than it has done in the past, and that future it should explore ways of linking educational performance to the level of public support that individual universities receive.

Such ideas have already generated considerable concern within the university community. Dr. Schwartz has himself previously argued that, in order to be effective, any system of external evaluation carried out on behalf of the minister of national education should also be "a dialogue between universities and the ministry, and not only a judgement, a list of demands or a prizegiving".

As Frank Wright, the college principal, points out the shock was even greater as there had been no whisper of the college's closure—although some say the college has always been in danger because of its small numbers—and prior to the closure threat had received their inservice quota for 1985.

North Riding College's principal, staff and students reeled with shock when they discovered last month that the NAB planned to close their college, even though it had not yet had a formal inspection from Her Majesty's Inspectorate. As a result the Scarborough-based college and its local authority told the NAB in their official response last week that since quality of provision was a major criteria, the closure should be delayed until after an inspection has taken place. This was scheduled for November.

Such an inspection is vitally important, because the last visit by HMI was in 1980 for two days, and following this the college was granted a big expansion which resulted in its college provision rising from 35 per cent in 1980 to 50 per cent in 1984.

In fact the shock and anger at the threatened closure goes well beyond the college. The local authority, the college's governors, Leeds University, and the Scarborough community as well as others further afield who use the college were all stunned, and have already made their views known to the NAB.

Everyone expected the college, regarded as a centre of excellence and one of the top 20 per cent specialist primary institutions in this country, to be a leading candidate for expansion, in the light of the national increase planned for the primary sector.

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North Riding has close community links

As far as professional links are concerned, the college points out that since 1974 the county's advisers for Scarborough and Ryedale area of North Yorkshire have been based at the college, which also services the teacher's centre and houses the authority's centre for special needs. The principal is confident that the NAB's Teacher Education Group when it meets this week will, as professionals, recognize all these points and will not let the proposal for closure go further.

Frank Wright stresses that the college, which has a large primary, BED and a smaller PGCE does not only have excellent courses but has influenced primary training. In the last two years, they have appointed no less than 12 new staff who have come straight from primary schools, but also have very good academic backgrounds.

The college is obviously not going to take any threat to closure lying down. It fought back successfully in 1977 and now its college action committee, comprising staff and students, has moved into high gear ensuring that every possible avenue to foster survival is explored.

Last Friday was the deadline for objections to NAB plans to end teacher training at five institutions, Portsmouth Polytechnic, the Polytechnic of North London, the College of St Mark and St John, North Riding College and Hertfordshire College of Higher Education. Patricia Santinelli and Peter Scott report on how they are fighting back.

Down ... but not yet beaten

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Sibelius: inspired

Celebrating the land of heroes

from Donald Fields

As the reemergence of worldwide interest in the music of Jean Sibelius continues, Finland is in the throes of special celebrations to commemorate the Kalevala, the national epic that did so much to inspire the great composer.

This year marks the 100th anniversary of the completion of the first set of runes about a northern land of heroes, gathered by the versatile physician Professor Elias Lönnrot in the 1830s, who said that, on the contrary, the local authority wrote to both Mr. R. G. Wheeler, the deputy director, saying they cannot help but feel they are some pawn in the NAB's game, and that closure is but an exercise in bureaucratic virility brought on by the necessity to spill institutional blood at the request of the Secretary of State for Education.

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'Small is beautiful' community in danger

Two days before Good Friday the College of St Mark and St John, one of Britain's oldest church colleges with roots in Victorian London but transplanted to a breezy campus on the outskirts of Plymouth, heard that the officers of the National Advisory Body were proposing that it lose its initial teacher training.

Or, to emphasize potential rather than tradition, the shocking news came just two months before the final go-ahead would have been given to a new technology park next to the college, a collaboration with a merchant bank blessed by Plymouth planners.

For Marjons, the shorthand by which the college is universally known, is not at all *Barchester Towers*. Instead it has learnt to live off its entrepreneurial wits. When the college moved to Plymouth in the 1970s the chapel that had been planned never got built; through the jagged gap in the concrete quadrangle where it would have been you can glimpse the hatted classrooms Marjons has built for its growing number of Youth Training Scheme students, and in the next field the rapidly expanding regional airport which would be an essential for the technology park.

The news from the NAB seemed to come from nowhere. Marjons had been on no one's mapped list of vulnerable colleges. Only days before its principal, Mr. John Anderson, had been talking confidently about the future. So much seemed to be in the pipeline—the technology park, the expanding international programme (a new deal with the Malaysians was being discussed), the growing links with the Manpower Services Commission, the new network of Anglican colleges that was designed to introduce an overdue degree of planning into this part of the voluntary sector.

Now all these plans are in abeyance and these hopes frustrated. The nerve centre of Marjons today is the librarian's office which has been transformed into a smoke-filled campaign office littered with the political paraphernalia of a determined fight-back. The formal position may be only that the NAB proposal "seriously jeopardizes" the future of Marjons, but everyone knows that without a BED students the college will find it impossible to survive.

Of course the college does not expect to survive in some warm cocoon of inward isolation. Since it moved south-west Marjons has had to face considerable difficulties—an uneasy relationship with its big brother in the city centre, Plymouth Polytechnic, and a gnawing weakness in science.

But the college has got used to living off its wits. The quadrangle and the "small is beautiful" collegiality that it represents are important. But the gap in the quadrangle and the open view it offers on the outside world are as important in the modern Marjons.

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Mr. Anderson compares the college to a three-legged stool that rests on initial teacher training, inservice courses, and Marjons's work outside teacher education whether degree of MSC courses, Saga holidays for the elderly or in-flight catering from Brynmor Airways.

Marjons' defence, which was delivered to the NAB at the end of last week, has three planks. First, the college denies that its "teacher training unit" is too small. Although it has not much more than 300 BED students, the college enrolls a growing number of inservice and overseas students. If these are counted Marjons's total is above the "500-600 FTE" level of viability set by the NAB.

Second, the college argues there is a very strong geographical case for its work. In a letter of support Professor Ted Wragge, director of Exeter University's school of education, says that "it would be quite scandalous if such a large area of the country were to be denied of its initial and inservice training."

Third, Mr. Anderson and his colleagues argue that to close down Marjons' BED would lead to the progressive collapse of the college's other work. This includes two degree courses, in humanities and in recreation arts and community. The college is also the MSC's largest managing agent for YTS in the south-west.

But Marjons' case depends ultimately on the simple, currently unfashionable, idea: "small is beautiful." Relations between staff and students are close and relaxed. The college also commands a fierce loyalty. It is not just an institution but a community that the NAB proposal has put in jeopardy.

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PNL makes ethnic case for survival

North London Polytechnic's department of teaching studies says it had absolutely no expectation that for the second time running in the short space of five years it would find itself on a closure list.

Like North Riding College, the department has not yet been visited by HMI—this was not due until December—and therefore any judgement on the quality of its provision cannot be based on any recent assessment. Indeed the rumour is that it is being closed simply because it is a part of PNL.

The department was one of the few institutions reprieved in 1982 after having made a strong case for the continuation of its work in training teachers from ethnic minorities, as well as its joint work with the Jews College.

It would seem that its case is even stronger now: its closure would badly affect City and East London College with which it established the first access course into teacher training for people of Afro-Caribbean origin. At present some 31 per cent of the current first year on its primary BED are from Paddington and Harrow colleges.

At present 47 per cent of the BED intake is from ethnic minorities, and the closure of the department would create enormous difficulties for those students since it would remove the only public sector primary BED course in the major conurbation of North and East London.

As the polytechnic points out in its response, the NAB's decision is completely at variance with the recently published Swann Report which recommended that a larger proportion of the teaching force should be drawn from ethnic minorities.

The unit says it has already shown considerably more flexibility in transferring to primary work and in developing other education and professional courses—all of which are endangered.

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Hertfordshire's crime and punishment

Hertfordshire College of Higher Education's major crime — to be punished by closure — is the failure to make any real progress towards forming an association with Hatfield Polytechnic, according to the National Advisory Body secretariat's letter to the college.

The charge is denied emphatically by director Dr. Derek Haslam and his staff, who say that, on the contrary, the local authority wrote to both Mr. R. G. Wheeler, the deputy director, saying they cannot help but feel they are some pawn in the NAB's game, and that closure is but an exercise in bureaucratic virility brought on by the necessity to spill institutional blood at the request of the Secretary of State for Education.

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were no longer under question—until April this year when they were told they had been given zero intakes for 1986.

Since then, the college has been to the NAB to thrash out the letter's contents, but the director says no real explanation was forthcoming, except a vague idea that on balance the college should go.

The college, which is involved mainly in primary education, believes it meets all the criteria set out by the Teacher Education Group and says this was not denied at their meeting with the NAB.

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BED and MED programme which could be extended to full time courses.

It feels it has good reasons to feel angry and bitter about this latest blow, the third attack since the 1970s. In 1983 its BA honours combined studies was removed by the NAB just as it was getting off the ground, and with no officers having ever visited the college. Even more galling, closure was followed by a Council for National Academic Awards report praising the degree.

Now all this with no visit — except from Her Majesty's Inspectorate which resulted in a positive and supportive report on its primary BED and PGCE — it is threatened with closure. Ironically, the college feels it could even expand because of the loss of the BA.

In fact Dr. Haslam is so anxious to avoid a repeat of the 1983 events, that he has asked the CNA to send the report of the college's BED and PGCE straight to the NAB.

Dr. Haslam says he is counting on the Teacher Education Group to appreciate these arguments. He

hopes that the TEG will look very critically at the secretarial proposals and act independently. This would mean that they would restore Hertfordshire's intake and take account of its capacity for expansion.

In particular Dr. Haslam hopes that the TEG will take serious note of their point by point response to the criteria. He stresses the established record of the college in both initial and inservice training. They already have a high proportion of staff with primary experience and have made six new appointments drawn directly from primary schools staff in the last nine months.

In geographical terms the closure of the college would represent a substantial loss both to new students and to teachers and schools over a wide and densely populated area.

So far the college action committee headed by Jens Clark has not taken overt political action. This will await the TEG's decision on May 24, but they have written to every local MP, councillors and all schools and inservice students, and everyone has been very supportive so far, she says.

extra resources or if these proposals were not accepted it would hope for an expanded PGCE together with some INSET.

On viability the polytechnic has stressed that it was very surprised to find out that no cost data was available at institutional level on which the NAB could have based its concept of viability.

The unit says it has already shown considerably more flexibility in transferring to primary work and in developing other education and professional courses—all of which are endangered.

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Jon Turney reports from Japan on its new policy to strengthen fundamental science

How Japan keeps one jump ahead

Do industrially developed nations grow more alike? Japan looks set to offer one of the most intriguing tests as it shifts from catching up competitors to deciding where to go, now it is edging ahead.

It is already starting to a British eye that Tokyo, culturally and geographically remote, looks superficially so similar to the great cities of the west. On the way to their current economic prosperity the Japanese have adopted western clothes, western food and, of course, western technology.

Now, the country's policymakers want to turn Japanese researchers' attention to more creative, basic research. This is partly to underpin Japan's role as an equal partner with the other industrialized nations, in science as elsewhere. But the government is equally anxious to ensure a flow of new ideas for the next generation of new technologies.

In the Japanese way, a consensus on this new direction has been building for several years. A series of reports and papers, the latest a massive statement from the national Council for Science and Technology, has mapped out the new themes for Japanese science policy and the thinking behind them.

The council, chaired by the prime minister, Mr Yasuhiro Nakasone, is the highest body concerned with science policy and hands down general guidelines for others to follow. Its latest report is its first noteworthy set of recommendations since 1977, and it notes that since then Japan has completed its move to the technological and industrial level of the other advanced countries and has made strides in tackling environmental and energy issues.

The next job, the council argues, is to strengthen Japan's contribution to fundamental science. This should be pursued over the next 10 years in three ways: promoting "creativity" in research; making sure science and technology fit human needs; and increasing international links in research. All three will be tackled against a background of increasing spending. The paper calls for a total expenditure on research and development of 3.5 per cent of the nation's income, which would be well ahead of Britain's 2.2 per cent, and of the other industrialized countries.

This new money will be used to promote a host of areas listed in the report, mainly in the three areas most countries now agree are crucial for the next wave of technological development: new materials, microelectronics, and information technology and biotechnology. This in turn fits an

overall strategy to target industrial growth on the new, knowledge intensive industries, getting away from dependence on old industries like steel and car manufacture.

However, there will be problems putting the new strategy into practice. The two main difficulties are connected: although Japan spends heavily on research most of the money (75 per cent) comes from industry, which is not too interested in spending on projects without any foreseeable return; and the nation's 130-odd publicly funded universities, the main home for basic research today, are generally poorly equipped and distant from industry.

The government will make a small contribution to the new money for basic research, but it faces tight constraints on spending as welfare bills generated by Japan's rapidly ageing population start to come in. It will have to rely on the skill of its civil servants in spreading a fondness for basic research into the nation's boardrooms.

The new job will affect the three main sources of government funds in different ways. They are the Science and Technology Agency, which has a loose coordinating role but also gave out just under 30 per cent of the £4.85 billion 1983 total; the Ministry of Education, Science and Culture, responsible for a further 40 per cent; and best known overseas, the Ministry of International Trade and Industry, which used just 12 per cent. Each of these has its own interpretation of the way the overall policy guidelines should be implemented.

The education ministry seems the slowest to respond so far, judging from conversations with Japanese officials. The ministry won a small increase for funds for university research grants in the latest Japanese budget and Mr Hiroshi Gyoda of the department's international science division says: "We intend to induce universities to cooperate with industry." But there is little idea yet how this will be done beyond the present practice of accommodating industry employees in university laboratories for a year or two.

The ministry doesn't know how much industry cash goes to universities, but points to the difficulty presented by the civil servant status of university professors. This means they can only arrange personal contracts for industrial work with special permission. A visit to the education ministry leaves the impression it regards the boosting of basic research as a job for someone else.

The STA now has money to spend following the launch of the Tsukuba science fair earlier this year. The fair, a



Creative research: Japan's £100 million a year ERATO project

giant commercial for new technology cost the government £450 million and is one contribution to boosting national enthusiasm for science.

Beyond that, the agency will increase research grants and already supports the ERATO (Exploratory Research for Advanced Technology) project to the tune of over £100 million a year. This is a good example of what the Japanese mean by creative research. ERATO, set up as long ago as 1981, has set small groups of young researchers to work in areas where breakthroughs could have important technological benefits - they include research on ultra-fine particles, fine polymers, better crystals and solid state physics.

The MITI has projects along similar lines for work on renewable energy resources and conservation, and the trade and industry department will play the largest role in shifting the focus of industrial research, in spite of its relatively modest research budget.

However, the MITI's approach reveals the elasticity of the Japanese language, for the department attaches a rather different meaning to "basic research" than, say, the education ministry. Those British scientists who use Japan's plans to increase basic science spending as an argument to protect their science budget might be surprised to hear Mr Yoshihiko Sasaki of the MITI's technology research and information division: "When MITI uses

basic research it does not mean pure science with no application." In fact, MITI's plans provide for fundamental research with definite uses, and which should be applied in industry in seven or eight years.

What the department wants is to stretch industry's normal time scale. The MITI's officials reckon industrial managers left to themselves wouldn't back research with a pay-off more than five years away. Measures to encourage them to be more adventurous include the department's new basic technology research promotion centre, which will offer loans and risk capital to firms doing research which qualifies.

So does the new emphasis in Japanese science policy simply amount to doing more of what we would call strategic research, or targeted industrial research? At the moment it is too soon to tell. But a review of the total portfolios of the three main government agencies suggests the Japanese will do a lot of other science as well.

Present plans envisage Japan having a presence in virtually every field, from fusion power through space research and particle physics to computer science and the life sciences. If only a modest proportion of this work is innovative, Japan could emerge over the next decades as second in overall scientific strength only to the United States.

Keeping track of the rising sun

The Japanese have long been consumers of information about western research. Now there is growing interest in Britain in keeping track of work in Japanese laboratories, and it is possible to find out much of the country's science and technology without going there, in spite of the language barrier.

The British Library is building its services for those interested in Japan and the leading division in the science reference library in London now hold over 4,000 scientific and technical journals from Japan. Even this is less than half the total published.

Around 500 of these are in English, but the library staff stress there is a truth in the common assumption that everything interesting from Japan appears in English. On the other hand, their experience suggests much can be gleaned from diagrams and English abstracts in Japanese papers. Failing that, the science library offers a linguistic aid service to help enquirers get the gist of a paper even if it is worth paying for a full translation.

The British Library's journal holdings are clearly being used - requests for help with Japanese now exceed all other languages except Russian; three quarters of British researchers answering a Japanese government sponsored questionnaire said they had used information from Japan during the last two years.

The British Library has also just started running seminars on obtaining Japanese scientific and technical information and the proceedings of the first of these, held last year, have just appeared. The seminars are the Japanese attack to increasing exchange of information is shown by the fact that the country's science minister, the Hon Michiyoshi Yagi, insisted on dropping in on the seminar during a visit to Britain he made in the time.

The Japanese have also just made their major science research database, run by the Japan Information Centre for Science and Technology, available on-line overseas. As part of their effort to enhance international collaboration, the government will pay to translate this database into English.

Truth about full-cost fees

British Council statistics reveal the real damage done by policies on overseas students. John O'Leary reports

Any doubts about the continuing effects of full-cost fees for overseas students should be dispelled by the British Council's latest statistics on the subject. They provide a timely reminder that year-on-year comparisons often give a true picture. Enrolments of foreign students may have bottomed out in public sector higher education, they have turned the corner in the universities, but the total will more than a third down on the beginning of the decade.

The peak year for overseas students was 1978/79, but the following year offers a fairer base year as the last before the introduction of full-cost fees. Then there were 88,100 students in universities, polytechnics and colleges. By 1984, the year covered by the new statistics, the total was down to 55,600, a fifth year of decline.

Partial statistics for subsequent years suggest that 1983/84 marked the start of a more stable phase of enrolments, with universities beginning to recover, especially on postgraduate courses, and the polytechnics also showing signs of recovery. The main victims of the decline remained in further education sector, where the drop reached 70 per cent over five years.

Ministers appear to believe that lower enrolments on postgraduate courses are at least acceptable, if not desirable. Mr Timothy Renton, junior minister at the Overseas Students, suggested that developing countries had improved their own provision particularly at the A level standard, and no longer needed to send so many students abroad as a result.

However, the British Council figures show a relatively small number of foreign students on GCE or SCE courses. But as the council itself points out, those who are on such courses are often here learning English or getting the necessary qualifications to move on to higher education. Their absence is likely to show itself in future years' enrolments for the more advanced courses, which are considered suitable for overseas students.

In fact, many of the students who previously joined the further education sector were on just the kind of technical and vocational courses developing countries need. They may not have been the influential figures sought for the diplomatic or trade-related support schemes, but they did in the developmental criteria in many cases.

There is much indication in the new figures of success for the Pym Package's range of targeted schemes. It was the last year of operation for the £46 million package under the scheme were under way, but there is little evidence of the beginnings of a change of direction. Of the three targeted enjoying special schemes, for example, Hong Kong did send substantially more students, topping the league table of senders. Cyprus also showed a healthy increase, but Malaysia actually sent 800 fewer students, continuing the dramatic decline which began in 1979/80.

The Foreign Office is currently drawing up its own table of countries whose students benefit from the plethora of different schemes now available. It is likely to show that the developmental aims of the Pym Package are being fulfilled to some extent by the preponderance of Commonwealth countries at the top of the list, but crucial areas for future trading links are still being missed. The British Council's supplementary to its statistics cited the Pacific Basin as the

object of expansion in the United States, where enrolments from Malaysia, China, Korea and Indonesia have risen faster than anywhere in the world.

Not so in Britain, where the number of Indonesian students reached 276 in 1983/84, compared with more than 6,000 in the United States. Even now the council estimates that there are only 600 Chinese students in Britain, compared with some 15,000 in the US. Indeed, although the rise is not reflected in Government sponsorship, the biggest leap in 1983/84 was in Libyan students, whose numbers rose by almost 50 per cent.

The global picture has changed considerably since 1983/84, with Australia now introducing more rigid quotas for subsidized places, some Canadian provinces imposing big fee rises for foreigners, New Zealand relaxing its policy and now France introducing new restrictions for entry to courses. But there is no doubt that the trend in Britain of continued low enrolments is running counter to that in many industrialized nations.

Some other governments, notably in Japan and the United States, have made it clear that they want to encourage further expansion in student exchanges because they consider it a good investment in trade and diplomatic terms. Japan is a particularly intriguing example because of its assumed indifference to what has become known as overseas student population, from 10,000 to 100,000 an important part of its strategy to maintain its trading supremacy. Industry and other private sources are being exhorted to fund 90 per cent of the expansion, which is expected to take place over the rest of the century.

The Japanese ministry of education has drawn up a detailed plan to provide an information service in countries important for trade or raw materials, giving special training for teachers, administrators and welfare officers, and providing bridging courses in English prior to the introduction of Japanese Tax Concessions will be offered to companies participating in the initiative, especially for employing students through subsidiaries on their return home.

Such a development, together with the rapid expansion of indigenous higher education in large potential sending countries such as China and Indonesia, will further expand the range of options available to students wishing to go abroad. They are already shopping around, rather than looking automatically to the traditional host countries, assessing cost and the quality of provision, as wholesale shifts of allegiance in recent years indicate.

The council statistics and subsequent surveys show that any hopes of a substantial return to Britain as the natural destination for large groups of students are probably misplaced. Stories of widespread dissatisfaction with the variable quality and growing cost of higher education in the United States are not yet borne out by the figures. And even the swift changes in comparative cost brought about by the rise of the dollar and decline of the pound appear to have had only marginal impact up to now.

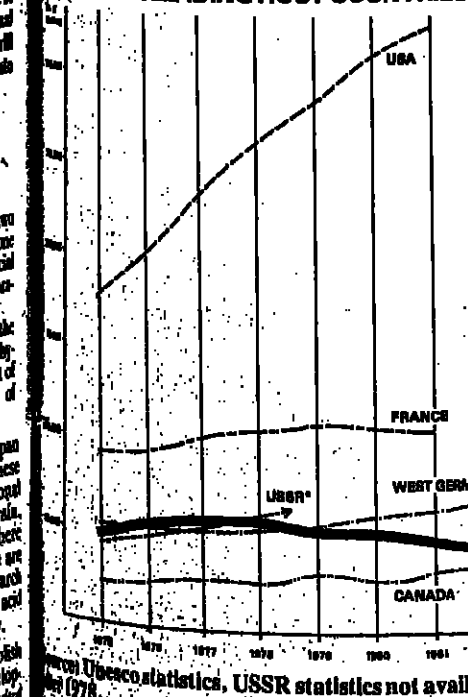
Vigorous, if controversial, efforts by many universities to retain their share of the overseas student market have joined with the various support schemes to arrest the decline in enrolments, especially at postgraduate level. These are likely to be supplemented by an expansion of the British Council's overseas recruitments and counselling service for universities and polytechnics. Many universities simply cannot afford their numbers to drop and are anxious to increase their numbers of fee-paying customers. Even now about one third of university postgraduates are overseas students.

Fourteen universities and three polytechnics had more than 500 students paying overseas fees in 1983/84, led by Oxford and Cambridge with 1,000 each and the various colleges of London University with 6,000. St David's Lampeter, and the small, specialist schools excepted, all the universities had at least 100 students paying full-cost fees, representing a significant contribution to their finances.

But there is no likelihood of the graph of overseas enrolments turning sharply upward while present Government policies persist. Nor is there any indication that ministers are anxious that it should. The review of policy promised at last year's meeting of Commonwealth education Ministers hardly seems to be taking place. Only the Overseas Development Administration, with its hopes for a scheme to assist private students in the third world, shows any sign of fresh thinking on the subject.

Instead, the Government is content to muddle on with a slimmed-down Pym Package. The new statistics suggest that this may be enough to deflect much international criticism and maintain overseas student numbers at their present reduced level. But it is unlikely to fulfil the Government's avowed aim in trade, diplomacy or development. Recruitment from the poorest countries continues to decline, while the new approach has a long way to go in reaching new trading partners or keeping up with the previous spectacular record in educating future heads of state.

OVERSEAS STUDENTS THE SIX LEADING HOST COUNTRIES



Source: British Council statistics, USSR statistics not available

Country	1983/84	1982/83	1981/82	1980/81	1979/80
USA	6927	6389	6479	7311	6549
France	3320	2497	2559	2527	2527
USSR	3988	4556	5190	5287	5287
West Germany	3117	2823	2832	2838	3577
UK	2449	3056	5030	6703	8386
Canada	2205	2389	2386	2480	3028
	1858	2259	2082	2246	2487
	1407	978	717	1227	1228
	1201	1149	1074	1277	1206
	1145	1047	1070	1639	1836
	936	752	817	1070	1285
	902	1012	1082	1050	783



Diane Arbus's haunting image of a child with a toy hand grenade

Inner States

The American Festival is running in London throughout May featuring poetry, music, film, theatre and dance. The Barbican Centre has mounted a massive exhibition of photography. American Images: 1945-80 "From Humanism to Formalism".

The American Indians, like all anti-mistic peoples, feared the camera. They believed that the "taking" of a photograph meant some appropriation of the soul and uncovering of secrets in the subject best left buried. Anthropologists grew used to faces covered with hands or clothes, like guilty starlets.

Photography occupies an important place in the 20th century American art. It combined modernity and techniques with a new potential in narrative, imaginative, non-sequential, profoundly subversive and romantic. Photographs were fictions, abstract, dramatic or lyrical; they did not record reality, they transformed it. Perhaps the most original American photographer, Man Ray, eventually found his niche among the Surrealists, an alliance that seriously compromised the originality of his work.

A measure of surrealism is inherent in American life. Where the everyday surface of reality is stretched so tight and where the rate of growth is so enormous, a measure of unreality or alternative reality is bound to show through. The American arts differ from the European in one fundamental respect: the assumption that the imagination and its products are inherent and not transcendent, as in the traditional Mediterranean model. For American visual and literary artists, the invisible is already in the visible, not in a distinct realm. On the basis of such a premise, photography is the quintessential American art form.

It was a form that lost its innocence - and, as the organizers of the American Images insist, its humanism - in 1945. The recording of the death camps and the burnt skin of Hiroshima and Nagasaki exerted a powerful influence on the moral and aesthetic senses of American artists, and it was significantly still photography, not moving film, that effected that change most powerfully. Images of death became the modern photographer's obsession, a mental set now known as *McCellism* but actually older: the bodies piled like cordwood at Buchenwald, the "photographic" image of Japanese citizens etched on to house walls, the jerky, stop-action death of President Kennedy.

American Images is concerned not with such "documentary" images but with the development of an artistic photography which grew in post-war America out of a combination of pre-war experimental and documentary work with newsworthy, fashionable and paparazzi photography. The result, diverse and varied, are none the less far more formalized and stylized, far less literal, analytic rather than synthetic, a remarkable exploration of our understanding of reality, narrative and meaning.

Many of the images raise questions about our perceptions and our "reading" of photographs. Robert Cunningham makes a wry comment on our somnolent obsession in one of his twinned pictures; the title makes the point: "Zero plus Zero equals Zero/A Doughnut plus a Doughnut equals Two Doughnuts". Elsewhere he pairs a photograph of a stool with a sprayed after-image of the stool left on the retina after long, steady viewing; but isn't there also another echo of the flash effect of the atom bomb? Photography works on in the after-image left by the first flash effect. That is its great, unique power.

American Images is on show at the Barbican Centre Art Gallery until June 30.

Brian Morton

East meets west - to their mutual benefit

Japanese plans to strengthen basic research all stress the importance of increasing international collaboration - and Britain could be well placed to benefit.

The two countries' motives will be different, but Britain's problems finding cash for research may combine with Japan's intention to build up its science base to create a common interest in forming stronger links. It may never be easy to persuade many British scientists to spend long periods in Japan, but there is ample scope for increasing the current level of joint meetings and short-term exchanges. And there are real prospects of Japan becoming an important partner in big science projects.

Most of the work involved falls under the aegis of the Education Ministry and the Science and Technology Agency on the more basic side of the Japanese research system. The Ministry of International Trade and Industry is also officially seeking to establish collaboration with overseas researchers, but the explicit commercial aims of most of its research complexes matters.

The celebrated fifth generation computer project, for example, was launched with an invitation to other countries to participate. But the Japanese have not yet decided how to permit foreign companies to take part. Although overseas concerns which maintain research centres in Japan are free to join.

Outside industry, Mr Yoshihiko Sasaki of the MITI's technology research and information division says there has not yet been a serious offer to participate from a foreign government. Officials from Britain's own Avey programme for computer research are still keen to foster closer ties with the Japanese, but progress is slow.

The picture is rosier in fields supported by the STA and the Education Ministry. In one area of current British interest, particle physics, Japan's domestic accelerator system will soon be completed and the country is supporting a large

experiment on the new machine under construction at CERN in Geneva. More Japanese interest here might help European countries reduce the burden they now bear keeping CERN running.

Nearer home, the Science and Engineering Research Council is keen to close a deal for Japanese use of its spallation neutron source at the Rutherford Laboratory in Oxfordshire. The State of the SERC's finances means any customers for the source are helpful, but SERC officials say Japan would be especially welcome as a scientific as well as financial contributor.

The signs are hopeful: Japanese scientists have already put together a £25 million proposal for the Education Ministry to back a neutron scattering programme and the cost includes building a detector for the spallation neutron source and funds for Japanese researchers to fly west.

The SERC's chairman, Sir John Kingman, also makes no secret of his enthusiasm for Britain to take time on the new Japanese telescope now being built in Hawaii. Astronomy is also the focus of the largest current collaboration with Japan, of the Astro C-X-ray satellite due to be launched in 1987.

Astro C is a project of the remarkable Institute of Space and Aeronautical Science at Tokyo University, which builds its own launchers as well as designing and building satellites and their instruments. A group at Leicester University is building an X-ray detector for the satellite. Its building, Professor Ken Pounds, has found no more problems working with the Japanese than in other joint space missions with the United States or Germany.

Professor Pounds stresses the importance of personal contacts in the Japanese system. Minoru Oda from days when they both worked at

the Massachusetts Institute of Technology in the US - as the Japanese are still cautious about working with people they do not know. The formal collaboration stemmed from a British visit to Tokyo in 1980 and was sealed by an agreement signed only last year, with much preliminary work in between.

In some ways, according to Professor Pounds, it is easier working with ISAS than with the Germans or Americans as there is much more bureaucratic paperwork in a typical western project. The language has been a minor problem, but only when English scientists go to Japan. The dozen or so Japanese who have spent time in Leicester all spoke English and the relevant Japanese papers are all in English language.

In fact, Ken Pounds admits ruefully that the British work with the Japanese much as they do with other nationalities - English is the working language and some team members may speak a few words of the foreign tongue to help bridge any gaps.

Britain should have the advantage, with the US, in joint work with Japanese researchers, as they are eager to learn English, according to Hiroshi Gyoda. English is even used when Japanese work with French or German scientists, with whom they are also developing strong links. Apart from the scientific advantages, the agreement Japan is now signing with other European countries suggests that if they do not develop all the links they seek with Britain, they will go elsewhere. The French are working with Japan in oceanography and biotechnology, for example.

Biotechnology is also one subject of a memorandum signed following the last visit of an SERC delegation to Japan, along with space and

molecular science. There have so far been two Anglo-Japanese meetings in biotechnology, one in each country, but the strong commercial interest in the field may hinder stronger collaboration.

Other areas worth pursuing, according to the memorandum, including robotics, lasers, biophysics and neutron therapy for cancer, but most of these are still at the level of exchange of information.

There should also be scope for work with Japan in the environmental sciences. The new Japanese policy stresses the importance of international approaches to global problems like acid rain, rising levels of carbon dioxide in the atmosphere and expansion of the world's deserts. These are areas where Britain has supported research in the past, although with the exception of acid rain they are not such high priorities today.

Finally, the Japanese are keen to establish discussion of the social issues raised by development of science and technology - from artificial fertilization to technological unemployment - and they may make an impact on the international scene here too. Next month the Council of Europe's sixth parliamentary and scientific conference will be held in Tokyo, focusing on these issues.

Many leading European scientists will attend and Britain is sending a heavyweight official delegation including Mr Peter Brooke, under secretary of state for higher education, and David Phillips, chairman of the Advisory Board for the Research Councils. Sir David, for one, will stay on in Japan after the three-day meeting and will no doubt be hoping to judge for himself the shifts in Japanese priorities in science offerings for more work with the British research community.

Medicine's ailments

Clearly, medical schools formerly saw themselves as a separate entity from the other colleges of the universities, but despite their specialization, they did not consider themselves different in the sense of being a higher division of learning like the "grandes

What are the objectives of medical schools? It is obvious that we need practical people who can deliver babies, repair hernias, care for the

Well, actually I'm just
doing research - the
surgeon will be along
later



duction (coronary by-pass grafts) rather than after use for decades (radical mastectomy) an indication of how acceptance of the scientific method has affected all practitioners to

The author is professor of mor anatomy at the London Hospital Medical College.

Fruits of victory in Vietnam

On the other hand, the communists policy of securing total party power through control of all labour and

For centuries, rulers of Vietnam have found their country hard to hold together save by "Finlandizing" Laos and Cambodia, ideal havens for rebels. The party was founded by the Communists through Vietnamese resistance to French rule. It has been a force of state-building and went on proclaiming that intention (all about 1955) when, for the first time "national independence" was adopted as a political slogan in regard to Laos and Cambodia. The Vietnamese party is itself hard no mass membership, but has been in existence since 1954, and formal registration of "carriers" went into 1976; in Laos and Cambodia the party is an even hazier institution, and in the former a special campaign is on foot to get a mass dimension by the end of 1985. Meanwhile, the handful of Lao "politburo" members, who were ousted from Hanoi, call themselves "politburos" but show no sign of a will of their own.

Hanoi's men now garrison the whole of Laos

As in Cambodia, the modern sector of the economy in Laos in colonial times was mainly staffed by Vietnamese civil servants; the position appears to be similar today under Vietnamese advisers whose advice he is to be acted on, especially over extraction of raw materials required by the Vietnamese industry. Integration of government departments and the labor is promoted by twinning of the latter across what used to be the "solid frontier" (adjusted in 1977): "Solidity" between the two peoples has been strengthened by reference to the mass migration that occurred before, though the half million or so alleged Vietnamese may be exaggerated. Lao recruits aid direct from the USSR, especially for engineering works and road building and dams to generate

A high-contrast, black and white photograph showing a large number of human skulls arranged in neat rows on the ground, likely in a mass grave or a site of mass execution. The skulls are light-colored and appear to be laid out in a grid-like pattern. The background is dark and indistinct, suggesting a wooded or overgrown area.

The grim legacy of Pol Pot's Cambodian ambitions: a mass grave in Kandal province

UN and other Western charity aid offers a cushion against famine, which the Vietnamese invasion rendered especially acute in 1978/81. Since then, extensive Vietnamese settlement has taken place here too — on the land, in the freshwater fisheries of the Tonlé Sap and in the coastal waters.

The new Vietnam's armed forces are likewise outnumbered three-to-two by the uncombined forces of all other nations in South East Asia, not counting Burma. As internal security of Vietnam divides dominion over Laos and Cambodia, so cohesion of Indochina may dictate dominion over northern Thailand . . . and on. The pretext of defence of the USSR under Lenin's "progressive" programme for world revolution, which the Vietnamese have sided with and over as South-east Asia's only liberator of South

In 1945, the USA supposed that the European powers, failed guarantors of peace there, could be supplanted by the UN. When the latter was ruled out by the UN, the Chinese opposition, the Human Decline was brought to bear. That in turn was fulfilled in the end by demoralization of US public resolve – a deliberate objective of Hanoi's strategists. One cannot be sure whether former French resolve could have convinced the communists with the territory conceded them in 1946. If not, the American resolve within the larger territory handed over in 1954; but it is certain that cold-war fears in 1954 have been borne out by 1975 and its aftermath.

The author was head of the Centre for South East Asian Studies in the University of Kent.

Brains above all

At the time also we had the best university system in the world. An OECD survey published about that time, said so. Sir Frederick Dainton, in a notable lecture, proved it by the use of scientific and cultural (though not engineering) indicators. What is perhaps more, we all believed it ourselves. And certainly overseas students, flocking in embarrassing numbers from all parts of the globe, despite differential fees, proved it also. There were those of us who knew, ten years ago, that such a time was passing.

First there is its migratory tone — probably for more significant than all its other faults put together — transcending individual personalities. Simply because everyone has now realized that our wealth depends on industry does not, one would have thought, entitle the representatives of the dismal performers in that field to lecture the excellent performers in another. The tone of the report indicates that at the deepest levels the

These faults are now being recognized and rectified but you will search Jarrait in vain for any reference to that.

Third, the report urges university councils to stand up for themselves. Few would argue with that. But again, the minatory tone disguises the fact that some do, some don't and some can't. Some, moreover, don't exist. It has trivially

It is a sorry picture. But perhaps we need despair. Universities are resilient organizations. Any visit to China will prove. There, they survived the deprivations of a far more harsh government than this one. Universities are supposed to be clever. Arthur Christensen says "You can't beat news in a newspaper. In much the same way, you can't beat brains in a university."

university.

century part drives have by mechanized both tillage and crop production in about a third of the land area. The government has made no headway in slow progress and a way for security of the regime.

At the party's triumphant Fourth Congress in 1976, a mass resettlement of urban properties was announced: up to four million urban dwellers were to be moved from the north and south, not to "virgin lands," but also to break down existing communities, minimize use of land for agriculture, and get total control of man and party hands. Alas, administration, "dishonesty" and "corruption" conspired to thwart the plan, and it went unmentioned at the Congress in 1982, notwithstanding urban unemployment.

It is not clear, though proper for production in either industry or agriculture, but the country has one of the biggest food surpluses in contrast to its record of food shortages in colonial times. Some income has been brought about by partial imitation of Western recreation to family members (in substitution for family members passively resisted).

The government has incentives to produce for export, for a higher price, according to *The New York Times* on pressure on food

Vietnamese communist troops — the rank and file comprising tribesmen have held eastern Laos without break since 1953, except that the enclave jutting into China was allotted to the People's Liberation Army from 1954 till the war in 1979. Hanol's numbers about 70,000, most parading the whole country, with Laotian auxiliaries placed under their command by a 1954 party decree, and a 1979 state-to-state treaty. The regime still faces guerrilla opposition in western Laos, but, supported by China but Thailand, it is unimportant.

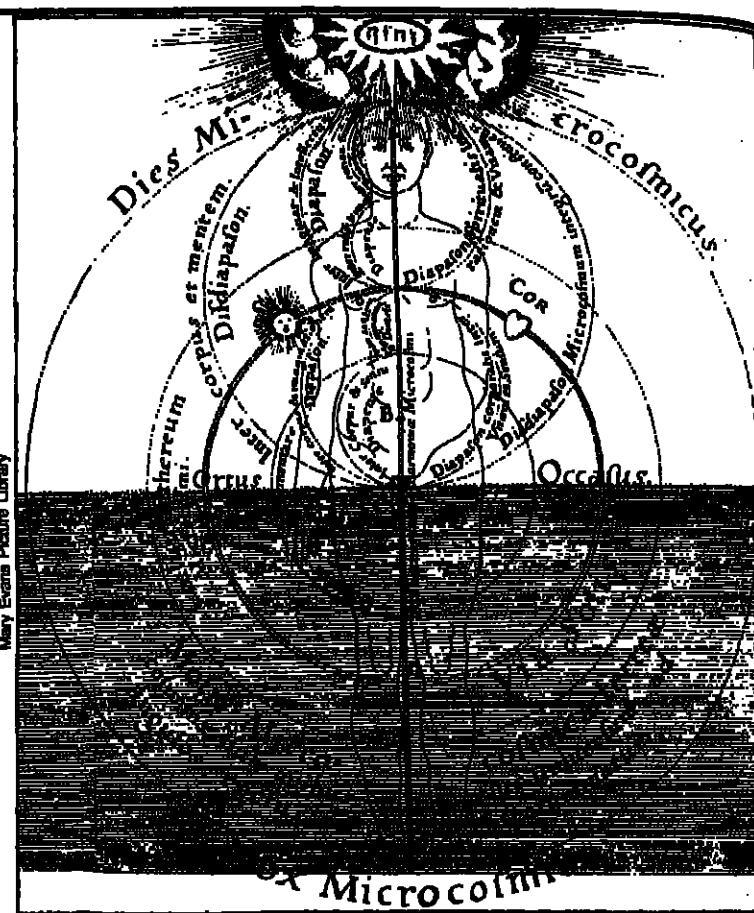
As in Cambodia, the modern sector of the government in Laos in colonial times was mainly staffed by Vietnamese civil servants; the position appears to be similar today under Vietnamese advisers whose advice he is to be acted on, especially over extraction of raw materials required by Vietnamese industry. Integration by government departments and districts is promoted by twinning of the latter across what used to be the Lao-Viet frontier ("adjusted" in 1977); "solidarity between the two peoples" has been strengthened by the Vietnamese immigration referred to before, though the half million or so alleged dissidents may be exaggerated. The USSR receives aid direct from the USSR especially for engineering works on roads, bridges, and dams to generate

Oddly, though born in 1929 and growing up during the war, when I think of war and feel the aching sorrow (always feel) in reading lists of names on tombstones in country churchyards, it is not the First World War that I think of. Actually my family didn't think much of the Second World War. My mother's cousin (he simply refused to recognize it) and had run the Wickhamham League for Women, the Primrose League, the Conservative Ladies' Association and

broke his leg. My brother-in-law took his place the following night instead of driving home on leave. They think he was shot down by the Swiss flying of course. But oddly when I think of what another world war would mean and what that needs to be done, and is not being done, to avoid it, the images that come into my mind and sometimes dream are those of bodies on the barbed wire of no man's land in 1916, not of the mushroom cloud and the nuclear winter.

Is it possible to think of a mechanism which could explain how the state of the universe at, or even prior to, birth, could affect the personality of an adult? In rather lyrical terms the theory can be stated as follows: the Sun is like a celestial harp with magnetic strings on which the planets play a tune with their long gravitational fingers. This tune is transmitted to the Earth

There is also growing evidence that the geomagnetic field can also influence biological functions. Over the last few years the ability to find direction using the geomagnetic field has been demonstrated for bacteria, birds, fishes and man. Biologists have shown that neurons have associated magnetic fields and that the whole brain also has a magnetic field. Other experiments have shown that reaction times, dark adaptation and the flicker-fusion threshold can be influenced by external magnetic fields. Some experiments



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"I believe the real danger is suppressing evidence and ideas because they are contrary to the accepted dogma of the day. Astrology may furnish a classic illustration of a remedy made by Karl Popper in 'Conjectures and Refutations' which are not far to seek may easily be overlooked if it is continually repeated that the search for any such conclusions is meaningless."

...most thrown in, Germany, on the other hand, was mounted by some of the 1994 centred on the... and Germany move... century together: a... two in particular, ... Christian Democrat ... ten years ago, the ...). The CDU ... throughout the ... and Deutsch ... Europe, implying ... on the move ... Europe too, ... and imaginat ... technique of

A black and white political cartoon. In the center, a woman in a bikini is riding a bull. She has a mischievous expression, looking back over her shoulder. The bull is in a dynamic, rearing pose. They are in a large stadium filled with spectators. The drawing style is expressive and somewhat abstract, with heavy black ink and white space. At the bottom, the text 'INS EUROPAPARLAMENT!' is written in a bold, blocky font. The signature 'G. B.' is in the top right corner.

l'Emploi

Normally this kind of propaganda is produced by officials within the party itself; as a result the party has full control over its own publicity, which is more ideologically centred and imaginatively conceived and executed, even if it appears less professionally glossy than the propaganda of the mainstream consensus parties. These often commission advertising

The French Communist Party (PCF), for example, used an image

drawn from Michelangelo to express creation, here applied to jobs and one from Léger's worker-on-scaffold folding paintings to celebrate full employment. It also made use of computer graphics in its campaign to project an image of up-to-the-minute technology, a party in touch with the pulse of Europe in the 1980s.

The Green Parties' propaganda is particularly interesting in Germany where 1984 proved a very successful year in party history. Die Grünen to use cartoons to great effect, with the theme of protest against unemployment, environmental pollution and factory-farming winning them a greater share of seats than expected.

The style of their posters, significantly, is characterized by wholesomeness, which even extended to the home-made impression created by lettering which is caddy and alternative, not authoritative and mainstream. Even in Britain, the Ecology Party produced home-spun posters along these lines, conveying the message that it lies outside the world of the party establishments.

As a general rule, it was only in extreme left and regional parties that words predominated over imagery. This presumably is because these parties—normally 'back' or 'pothole'

The authors are lecturers in the department of Italian studies, University of Lancaster.

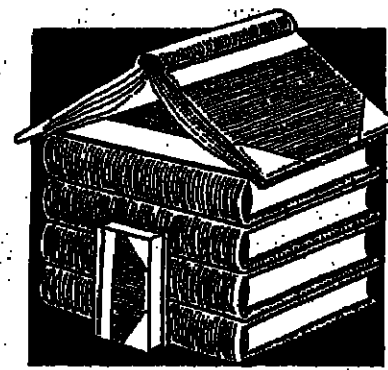
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BOOKS

Her share in the life of poetry

by Roger Sharrock

Dorothy Wordsworth
by Robert Gittings and Jo Manton
Clarendon Press: Oxford University
Press, £12.50
ISBN 0 19 818519 8
Letters of Dorothy Wordsworth: a
selection
edited by Alan G. Hill
Oxford University Press, £9.95
ISBN 0 19 818539 1

Robert Gittings and Jo Manton remind us that John Wordsworth, the father of William and Dorothy, came from the West Riding of Yorkshire to be the man of business to Lord Lowther in Westmorland. There is certainly a hard, gritty Yorkshire quality of stubborn resolution in both brother and sister.

It enabled William when practically penniless to persevere in his vocation as poet, to leave Cambridge without a fellowship and live for years a wandering, bohemian life, leaving the Cookson uncle and cousins who had brought him up and paid for his education to wait years for their money, instead of following the conventional course into a living or a tutorship. More extraordinary, a corresponding obstinacy in Dorothy led her to take the decisive step of sharing his life and keeping house for him. For Dorothy was stereotyped as that most conventional of 18th and 19th-century figures, the maiden aunt and poor relation.

In 1794, when the decision was made, she was fulfilling this role in the rapidly growing family of her cousin William Cookson and his wife at their rectory at Porlock in Norfolk. John Wordsworth had died in 1783 when Dorothy was eleven and William two years older; their mother had died five years before. She was brought up first at Halifax by an older cousin, Elizabeth Threlkeld (later Rawson), then by the Cooksons, now her guardians, at Penrith. The Halifax household was a loving one, the Penrith one seems to have been harsher and more straight-laced. From there she went to Porlock in 1788; she got on well with William Cookson and his wife and the children. The decision at her age to leave is all the more an instance of settled will.

One powerful motive was the desire to be reunited with members of the family from whom she had been separated. For Dorothy suffered a peculiar refinement of deprivation which was worse than the lot of William and her three other brothers: during the years at Halifax she never went home for holidays, even for Christmas, which was never once at home. As Gittings and Manton note, in that age parents who died early created as many broken families as broken marriages do in our own age. "How are we squandered abroad," Dorothy says, in another letter. The choice of verb is significant. To be without a family centre is a waste of human material, and the prudent Yorkshire housekeeper "abhorred

waste. The squandering also hints at a financial plight. John Wordsworth had died intestate, leaving his affairs in chaos. James Lowther, Earl of Lonsdale, "the wicked Earl", owed him £5,000 which was not repaid for almost twenty years. The guardians saw that the boys received a college education (though Dorothy had to leave boarding school) but the atmosphere was one of penury and increasing debt. This cavalier unscrupulousness of an irresponsible landowner may have had something to do with the passion of William's early radicalism in which his sister shared.

When John, the sailor brother beloved of them all, died in 1805, Dorothy was to exclaim, "The set is broken". The family is a set in almost the mathematical sense, a complex of relationships. To begin re-establishing this set was why Dorothy left Porlock. The opportunity came with the Calvert legacy which allowed William and Dorothy to set up house at Racedown in Dorset. Then there was the move to Alfoxton in the year of *Lyrical Ballads*, then Grasmere and the return to the Lakes, but always now they were to be together. Dorothy had emancipated herself from poor relation status; she would not grow to be a Miss Bates; she would observe the fine relation of the re-created and extended set in the family of her brother's wife and children. The huge irony is that her life in the prospering and burgeoning Wordsworth set of Dove Cottage and Rydal Mount was to be in great part one of selfless service and of constant backbreaking work.

Her letters and journals are full of the details of this domestic life of cooking and baking, William catching fish to escape the market prices that were rising steadily during the war years. Above all, there was the burden of washing, starching and ironing amid the uncertainty of Lakeland weather. The atmosphere of poverty and frugal housekeeping confines through the Racedown period and on to the years at Grasmere and Allan Bank. There was no great divide of physical life to separate her from the beggars who came to the door; the sailor in a patched coat who asked, "Is there a brig yonder, that'll carry me ow'r t'water?" and of course the one met on the road, a very old leechgatherer who now lived by begging. Dorothy could enter with a full sympathy into William's early poetry of the poor and the alienated. Her Cookson cousin was a canon of Windsor and on a visit there she had been presented to George III. But she did her own washing. The Wordsworths lived in a late stage of a status society and assumptions based on a monetary class system do not apply. A more helpful (though loose) parallel for them in their liberal and radical phase would be the Russian 19th-century intelligentsia, and then families as broken marriages do in our own age. "How are we squandered abroad," Dorothy says, in another letter. The choice of verb is significant. To be without a family centre is a waste of human material, and the prudent Yorkshire housekeeper "abhorred



Dorothy Wordsworth: 'I shall not want society by a moonlit lake'

from the evidence of the senses", says Dorothy.

It is in registering with a fine particularity the evidence of her senses that Dorothy competes with her brother and Coleridge as a creative observer of nature. The journals reveal what Coleridge called "her eye watchful in minute observation of nature". Or as she said in her description of the daffodils by Ullswater which formed the embryo impression for Wordsworth's poem, "the simplicity and unity and life of that busy highway". It is not satisfactory to regard her simply as amassing the raw material for the poetry of theirs. There is a subtle, rhythmic prose poetry in the descriptive passages in the journals from the first sentence of the Racedown journal: "The green paths down the hillsides are channels for streams". To write like this she must have achieved a purging of that language of sensibility derived from Richardson and others in which the more emotional parts of the letters to her friend Jane Marshall are written; she had to exercise a discipline comparable to that by which her brother in *Lyrical Ballads* purged his

verse of literary epithets. The Grasmere journals mark a further development towards a more reflective style of observation. The favoured, Eden-like vale of Grasmere is now seen as the setting for a favoured pair who have escaped from the artificial world. "I shall not want society by a moonlit lake", Gittings suggests that Dorothy's prose here owes something to that textbook of the Romantic movement *Paul et Virginie*; in that book the boy and girl grow up innocently like brother and sister.

The affection of brother and sister cannot be interpreted as incestuous, though according to De Quincey the locals often drew the most uncharitable conclusions from their moonlight walks and obvious closeness. In the creative years there was a kind of symbiosis of the emotions between them and Coleridge and all Dorothy's sexuality seems to have been sublimated into that. She had early decided never to marry. When William married Mary Hutchinson she accepted her as a friend and went on living with them. So in the end she did become a maiden aunt to the young Wordsworths.

sworthis, John the unintellectual one being her pet. But it is difficult to see her as the victim of a male-created role (in spite of all that washing). In her case she has taken the role as her share in the life of poetry. And the life of domesticity was the necessary ground-base of Wordsworth's poetry where imagination never floats wholly free from the earth and common things; after writing the *Ode*, her journal tells us, "Mr Olliff sent the dung and Wm worked in the garden: that was how it was."

Dorothy had chosen for herself, but it was a choice to be a helpmeet in a set, the set of competent and adoring women which surrounded and spoiled Wordsworth. It is natural therefore that the story of her life after her marriage should be largely a reflection of his concerns. She shared equally in his transition from radicalism to conservatism and in the hardening of moral attitudes which seems to have followed on John Wordsworth's death and the sudden sense of time imposed upon these *schöne Seelen*. In 1793 she could write generously (and no doubt in quite good French) to Annette Vallon about the birth of William's illegitimate daughter; twenty-odd years later both she and William were reflecting disagreeably on De Quincey's liaison with a local girl, although that liaison was to end in marriage. The hardening was not only moral: from 1835 Dorothy began to lapse into paralysis and weak-mindedness (symptoms, think the biographers, of Alzheimer's disease). The strange prophecy of *Tintern Abbey* was shockingly realized:

If solitude, or fear, or pain, or grief
Should be thy portion . . .

Robert Gittings and Jo Manton are to be congratulated on a fine and balanced narrative. Gittings' earlier biographies of Keats and Hardy were often marked by speculative identifications and interpretations. Here all is plain story and any suggested explanations of events are tentative and muted. The fact that the beginning of Dorothy's physical decline coincided with a grave family misunderstanding with Annette is left to speak for itself. William, under financial pressure, had commuted Annette's annuity to a lump sum, but the income from the lump sum fell below the level of the annuity. Although Gittings and Manton succeed in establishing the dismal round the wife to friends, the demands of nephews and neighbours, as the necessary background for Dorothy who walked on the hills at midnight like a gypsy. To explain the co-existence of these two aspects is another matter.

That diurnal round rather than the life of her imagination is fully brought before us in Professor Alan Hill's judicious selection from Dorothy's letters. It forms a fitting companion to Mary Moorman's Oxford edition of the journals.

Roger Sharrock was formerly professor of English at King's College, London.

BOOKS

Man as agent

Philosophical Papers
volume one: Human Agency and
Language
volume two: Philosophy and the
Human Sciences
by Charles Taylor
Cambridge University Press, £25.00
and £7.95; £25.00 and £8.50
ISBN 0 521 26752 8 and 31750 9; 26753
and 31749 5

Charles Taylor has always been a particularly interesting philosopher. His thought is wide-ranging, the product of an extroverted personality and a penetrating mind. Moreover, his philosophy has a special interest because, although he writes for the most part in the tradition of analytical philosophy, he combines this with an interest in the tradition of recent continental movements, particularly phenomenology and hermeneutics. A concern for the latter is relatively common among Canadian philosophers, but the particular blend of philosophical attitudes which manifests itself in Taylor's thinking is all his own.

The two volumes now published provide a selection of Taylor's papers written during the last fifteen years. The first volume is directed to the philosophy of mind and, in a very special sense, to the philosophy of language; the second has as its concern the philosophy of the social sciences and political philosophy. Each is preceded by an introduction which is identical in content (though not, oddly enough, in printing). In this, Taylor emphasizes the extent to which he regards the papers as "promissory notes". He also expresses the hope that they may lead to the fulfilment of an ambitious project, concerned with demonstrating what he calls the "ultimate moral grounding" or "spiritual basis" of modern naturalism from within a rival and more acceptable theory.

The introduction opens with the suggestion that the papers are "the work of a monomaniac". Certainly a particular view of human beings, a specific "philosophical anthropology", is made clear after time in these essays. It is a view which is fundamentally hermeneutical, and owes much to philosophers such as Heidegger who lie at the root of contemporary hermeneutics. Man is a self-interpreting animal, whose nature is somehow constituted by that interpretation. Man is also fundamentally an agent. Indeed the self-interpretation view is first set out in a paper entitled "What is human agency?". In that paper, Taylor makes use of a distinction made by Harry Frankfurt, between first and second-order desires, the second of which have the first as their objects. This is what gives human beings the peculiar responsibility for their actions which is characteristic of them as persons. A number of papers in the first volume elaborate on that idea.

They also emphasize the essential role played by language in that self-interpretation and this is taken further by two papers specifically on language. In these, Taylor tries to present a view of language which is "expressive" rather than "designative", and one which therefore flies in the face of much recent Anglo-Saxon philosophy in this area, which is very much concerned with meaning and truth-conditions. Taylor presents his view via an historical context which is intriguing in itself, although it has to be said that his historical forays, sometimes along relatively uncharted paths, tend to be impressionistic. A similar historical survey in a paper on developing thought from Fichte and Hegel which puts an epistemological and metaphysical primacy on action, seems to me highly dubious.

The trouble here is similar to one which arises over the papers in the second part of the first volume in which Taylor lifts at the windmills of recent psychological theorizing, particularly in cognitive psychology. Taylor is very good at presenting a description of human beings and human forms of consciousness, from the standpoint of what he calls "naturalism" or, a concept with "designative" identity, and what others have called "scientism", appears obviously inadequate. Taylor criticizes Heidegger, Foucault, the Frankfurt School and others for inadequate arguments and over-hostility towards the "scientific outlook"; but it is not clear that he has anything better to put in their place. He provides a rich description of what human beings, as persons and agents, are. He challenges the so-called naturalists to do justice to such a description, but he does not really have a positive theory to offer which deals adequately with the relations between that description and our physical nature, let alone the theory after which he hankers, which will explain the moral pull of naturalism.

The second volume may have more that is positive to offer – an account of practical reason, for example, and the part that this plays in our understanding of people as social beings. There are also interesting and penetrating thoughts on political issues – on justice, freedom and the wrongness of thinking of people as atoms, independent of each other. Even here, however, he is clear again, there is a rich description of human beings, and there are splendid gestures towards drawing out the implications of that description for a number of political and social issues. Much of it remains, however, at the level of gesture or, in his own words, of "promissory notes".

Taylor has had a reputation for many years as a stimulating teacher. These essays will give some flavour of that. The breadth of thought is striking, even when the expression of it is casual. Readers will have their attention drawn to issues and ways of regarding them which they may not otherwise have thought of. Whether it all adds up to a satisfactory philosophical anthropology is more doubtful, and there may even be reason to doubt whether Taylor's "promises" can ever be fulfilled. Even as they stand, however, the papers have their own unmistakable value; they form an impressive collection.

D. W. Hamlyn

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What do we know?

Relativism and the Social Sciences
by Ernest Gellner
Cambridge University Press, £22.50
ISBN 0 521 26530 4
Tradition and Innovation: the idea of
civilization as culture and its
significance
by H. T. Wilson
Routledge & Kegan Paul, £17.50
ISBN 0 7102 0009 9

Although these two books occupy the same territory – the territory where philosophy, anthropology and sociology meet, their authors are moving in opposite directions and at different speeds. At the heart of both is the problem of rationality: ours and ours' present and past. For both the epistemological question: "How is it that we know what we know?" is also a sociological question. But Ernest Gellner asks it confidently, confident of himself and his culture; clear and precise in his answers. And H. T. Wilson asks it hesitantly, far from sure about his culture or his capacity to answer at all.

Gellner is concerned, principally, with science and with extension with progress and with innovation. Wilson is concerned with innovation and by extension with progress and science. One is a materialist for whom the world is real and our attempts to know it – in science – valid and successful. The other is an idealist for whom the world is what we construct, and therefore can construct differently, and for whom science is no longer a paragon. Gellner begins his book with a question: "We know better – but how do we know that we know better?" Wilson ends with a set of rather different questions, the first of which asks about the nature of our culture and our capacity as social scientists to know and understand it reflexively. It is a question defined by a Wittgensteinian perception of culture as a form of life and defined also by Wilson's own

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A new beginning

Nineteenth-Century Religious Thought
in the West, volume one
edited by Niall Smart, et al
Cambridge University Press, £27.50
ISBN 0 521 22831 X

The 19th century "was a revolutionary time when the older, theistic worldview, already under attack since the Renaissance and throughout the Enlightenment, gave way to a new, more variegated, more complex, circumstance for religious thought. Whether one sees these developments as monuments to human genius or regards them with Karl Barth as perverse deviations from the theological proper task, there is no denying the extent to which even contemporary religious thought bears the mark of their influence. Whatever may obtain elsewhere, twentieth-century religious thought is very much the child of the nineteenth". No better justification is needed for this three-volume enterprise.

The essays in the first volume fulfil the editors' hopes that they would be more than summaries of historical developments. They succeed in bringing out what is of lasting value in their subjects. Each contribution has an excellent historical perspective which is intriguing in itself, although it has to be said that his historical forays, sometimes along relatively uncharted paths, tend to be impressionistic. A similar historical survey in a paper on developing thought from Fichte and Hegel which puts an epistemological and metaphysical primacy on action, seems to me highly dubious.

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D. W. Hamlyn

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Mind and nature

Wordsworth, Freud and the Spots of
Time: Interpretation in The Prelude
by David Ellis
Cambridge University Press, £19.50
ISBN 0 521 26555 X

Most literary critics regard the psychoanalytic interpretation of literature with some scepticism, considering it to be crudely reductive, eliminating the very qualities that make a text worth reading in the first place. David Ellis shows that it cannot even work on its own terms (how can a literary text free itself from the constraints of a text?). Yet he believes that Wordsworth was primarily a psychoanalyst, and a "corresponding" Freud in the *Prelude* not so much as a "document" but as a "document" in the sense that it is a "document" of a "document".

espousal, or rejection of psychoanalysis.

Ellis assumes that Freud's texts constitute a coherent body of theoretical work that can help in the interpretation of literature. If he acknowledges only "a debt of a general rather than a particular nature" to Freud he continues to read literature against the map of psychoanalytic knowledge. Such a relation of subordination has been questioned by a critic such as Shoshana Felman, who points out that if literature seems prone to fall within the domain of psychoanalysis it also provides the "language" which psychoanalysis uses in order to speak of and name itself. Moreover, recent theoretical criticism, examining the language of psychoanalysis with the sort of care normally reserved for literary text, has shown how Freud's writing becomes entangled within the very process that he seeks to analyse. If the application of psychoanalytic knowledge to literature has given place to an examination of the ways in which psychoanalysis and literature implicate each other, then the

bogey that Ellis seeks to dispel could be said to have already departed.

Ellis's own preference is for a psychological reading "in the old style", appealing more often to an everyday common sense psychology than to Freud, while his startling refusal to consider the effects of language hardly accords with the spirit of the inventor of the talking cure. Nevertheless he does not manage entirely to avoid the reductiveness that he rightly finds in vulgar psychoanalytic criticism. Ellis's aim in the book is quite straightforward: to understand the meaning of the two enigmatic "spots of time" in Book XI of the 1805 *Prelude*, episodes which certainly retain the claim for them if the critical activity they have generated is anything to go by. Ellis's thesis is that, unremarkably, and less convincingly in the case of the first spot, guilt (with help from Freud here). He argues that Wordsworth's own accompanying analyses of them as illustrations of the "subliminal power"

of the human mind do not square with the passivity of the experiences recounted. Wordsworth's interpretations that is "forced". But then this argument itself depends on the way in which Ellis himself has interpreted the spots in the first place.

Ellis's exclusive emphasis on psychology leads him to disregard the extent to which much of the mental experience evoked in the *Prelude* involves "metaphysical" claims. Since Arnold it has become customary, particularly in Britain, to regard Wordsworth as a humanist and to dismiss the transcendentalism of the *Prelude* – one reason for the remarkable fact that Ellis's is the first book-length study of the poem by an English critic. But as Bradley showed, the *Prelude* is as much concerned with the process of being made fit "to hold communion with the infinite world" as it is with the power of Wordsworth's own mind. Consciousness is structured dialectically (typical of the period) through the well-known interchange between

mind and nature, itself the "bodily image" of the "soul divine". For Ellis this oscillation only evidences "signs of confusion". He thus retreats into psychological explanation even before the key moments in the poem when the communion between mind and nature becomes precarious. Of one such moment, the description of the Winander boy in Book V, he simply remarks that "the enclosure of the world within the self makes death an impossibility" – which is hardly very reassuring when we remember that the Winander boy died before he was ten. When Ellis goes on to claim that the vision from the top of Snowdon in Book XIII demonstrates "the mind's superiority to the world in which it moves", one begins to wonder whether the conclusion is that of the text or the analysis.

Robert Young

Robert Young is lecturer in English at the University of Southampton.

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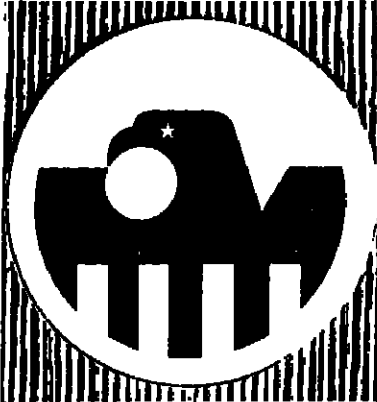
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Dr Phillips is senior lecturer in Eng at the University of Leicester.



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BOOKS

AMERICAN STUDIES

Anarchist legend

Emma Goldman: an Intimate Life
by Alice Wexler
Virago, £12.95 and £5.95
ISBN 0 86068 675 2 and 680 9

For nigh on thirty years the name Emma Goldman was synonymous for the bulk of Americans with subversion, sexual license, and violence. From her arrival in America from Russia in 1885 at the age of 17 until her deportation during the red scare of 1919 she was not associated with every major threat to public order and decent values? Co-conspirator with Alexander Berkman in the attempted assassination of Henry Clay Frick of the Carnegie Steel Company, defender of Leon Czolgosz, the assassin of President McKinley, perverter of the constitutional guarantee of free speech, supporter of the lunatic fringe of the labour movement, and, not least, advocate of birth control and sexual licentiousness—the mark of this incendiary and seemingly ubiquitous demagogue was to be found wherever decency was being trampled under foot.

This version of the "Red Emma" legend contained at least one truth. Emma Goldman was indeed a tireless promoter of anarchism. In her extensive lecture tours, in her publication *Mother Earth*, in her fund-raising drives for unpopular causes, and in private letters, she hammered away at the theme of liberation from the oppressive constraints of all forms of authority. Her commitment was so uncompromising and her ability to engage an audience so impressive, that another legend has adhered to her, that of the superwoman radical who successfully absorbed her private life into the public cause. Even those on the left who disagreed with her felt bound to grant her integrity and consistency. And if others hadn't done it for her, Emma Goldman created her own monument to her career in the form of a thousand page autobiography which is very fullness and frankness creates both opportunities and problems for the biographer.

Alice Wexler seizes her opportunities and negotiates the problems with skill and sensitivity. Despite an unpromising subtitle, which seems to imply an elevation of the purely personal aspects of Goldman's career, Wexler employs recently disclosed evidence about the inner life of Emma Goldman in a way which enriches our understanding of this rebel with a cause. The source in question is the exchange of letters with Ben Reitman, a doctor-cum-hobo with whom she had a relationship of astonishingly erotic intensity. The explicitness of sexual detail in Goldman's outpourings, from which Wexler quotes liberally, has excited the interest of reviewers and will doubtless attract not a few readers, but Wexler's point is not about Goldman's sexual habits but about the driven nature of her passion. "That so independent and strong a woman as Goldman—and so ardent a champion of free love," she writes, "should find herself caught in a relationship of deep erotic dependence suggests the compelling power of those unconscious 'internal tyrants' that Emma herself so eloquently denounced." The conflict within Goldman between the impulses towards freedom and dependence can be explained in part by her early sufferings as an unwanted and unloved child, but, as Wexler observes, it also contradicts the contradictions experienced by many women at this moment of transition from the Victorian to the modern era: "the conflict between masochistic 19th-century values of self-sacrifice, submission, and dependence... and the modern values of assertion, self-expression, and independence associated with the 'new woman' of the early 20th century." Furthermore, Wexler concludes, the same dynamic involving a simultaneous drive for self-affirmation and martyrdom, a longing for acceptance and a rejection to submission, informed Goldman's political life.

That Wexler avoids crudely collapsing Goldman's politics into sex and her

sex into politics says much for the intelligent restraint with which she handles this theme. While it is true, as Wexler points out, that Goldman's career illuminates both the politics of sexuality and the sexuality of politics, this is not to say that her public career can be regarded as a mere precipitate of her sexual chemistry. After all, Goldman and Reitman eventually drew apart, and in the course of a long life and many intense relationships Goldman kept unwaveringly to her goals. It is arguable in any case that her most significant relationship was with Alexander Berkman, a fellow Russian-Jewish exile whom she met in 1889 and stood by until his death in the late 1930s. Because Berkman consistently stood at the cutting edge of the anarchist movement and because of



Emma Goldman: Internal tyrants

Goldman's unstinting admiration for the sacrifices he made for the cause—he spent 14 years in prison for his attempt on Frick's life—her bond with him raises the central and troublesome questions about the nature of anarchism. No biographer can avoid facing the issue of violence.

Wexler's conclusion is that Goldman never fully sorted out her ideas about the value and justification of the "attentat". While never herself openly advocating assassination, Goldman almost always defended those who committed it, in Berkman's case even after he himself had had second thoughts about the principle that "true morality deals with motives, not consequences". On this principle purity of motive can sanction any means to a desired end. But, as if aware of the ultimate sterility and life-denying character of this position, Goldman generally reverted to the proposition that "the tremendous pressure of conditions", not anarchism, was responsible for acts of political violence. She was thus left, Wexler notes, "describing political assassins contradictorily as the victims of desperate circumstances... and as men of superior will and conscience". There is no greater paradox in Goldman's life than the coexistence of generous human sympathies—she was a trained and devoted nurse—and her willingness to countenance, in certain circumstances, the ultimate act of human destruction. Can terrorism ever have a human face? To say yes is to believe that the circle can be squared.

One would like to conclude that Wexler has given us a definitive life of Emma Goldman, and there is no doubt that she adds considerably to the story as it has previously been recounted by Richard Drinnon in *Rebel in Paradise* (1961). Wexler's is a biography which speaks to and to some degree grows out of contemporary feminist concerns while also doing justice to the history

of anarchism. But unaccountably the biography ends with Goldman's deportation in 1919, leaving her twenty years of exile in Europe untouched. It is true that Goldman's influence was at its height during her years in America, but quite apart from the inherent interest of her time in post-revolutionary Russia (1919-1921) and her activities in connection with the Spanish Civil War, the years of exile have a close bearing on her American experience. Her disillusionment with Soviet Russia, which provoked such a stormy reaction within the American left, reveals much about Goldman herself and about the history of American radicalism between the wars.

Perhaps more important, if one is concerned with the "intimate life", is the evidence of Goldman's continuing attachment to the America which had done its best to be rid of her and her message. Unlike Berkman, who had never come to consider America as "home", Goldman held out hopes of being able to return permanently and even anticipated that publication of her autobiography in America (1931) might help towards that end. In an article written for *Harper's* in 1934 during the one brief return visit she was permitted to make, she wrote that "I feel the freshness of the American approach and the untapped stores of intellectual energy resident in the country offer much promise for the future". The quotation comes from Drinnon's *Rebel in Paradise* and it is there that one must look for an account of Goldman's later life and for an explanation of the hold which America exerted over her. In choosing to end her biography at the water's edge, Wexler for once fails to seize her opportunities.

Richard Crockatt

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Cultural dig

Emily Dickinson and her Culture: the soul's society
by Barton Levi St Armand
Cambridge University Press, £22.50
ISBN 0 521 26267 4

Although the author of this study professes to write as both critic and cultural historian, this is a work of scholarship rather than of criticism. Professor St Armand has tried to produce not merely a cultural biography but "a biography of American Victorian culture", and to "reimburse" Emily Dickinson's texts "in the nourishing context of their culture, and often to attempt to read her poetry as a sympathetic contemporary would have". He compares his work to that of an archaeologist, and regards Emily Dickinson's writings as "a fact of material culture, as a supremely artistic fragment saved from the ideological wreckage of her time." His aim is to demonstrate that her work "was of her age as well as beyond it."

He is unimpressed by recent attempts to establish an order in her poems on the basis of the fascicles in which parts of the poetry were arranged; and though he accepts William Starr's discovery of a consistent romantic narrative running through the chronological sequence, he finds the arrangement of the whole *oeuvre* random, or patchwork, and endorses

Thomas Wentworth Higginson's original classification of these poems as "the Poetry of the Portfolio", a form clearly distinguished by Emerson. The popular form of the artist's portfolio was the scrapbook and St Armand makes extensive use of the surviving scrapbook of Emily Dickinson's friend Mary Warner as a means of discovering the sources of the poet's themes in contemporary culture.

Both the scrapbook and the poems contain three different cultural levels, "folk, popular, and elite", and Mary Warner's scrapbook is of particular value in leading the student to 19th-century examples of the first two levels which the modern reader may fail to recognize in the poetry. Professor St Armand divides these three chapters to tracing Emily Dickinson's responses to 19th-century popular culture as expressed in sentimental attitudes towards death, romantic love, and the afterlife, with particular reference to the verses of Lydia Hunt Sigourney ("the sweet singer of Hartford"), the romantic novels of Harriet Beecher Stowe, and Elizabeth Stuart Phelps's bestselling consolatory picture of heaven, *The Gates Ajar*. He is not engaged here in specific source-hunting, but in attempts to establish the popular themes which provide the subjects of many of Emily Dickinson's poems, even when she used them for satirical or bitter reaction.

The chapter on the folk elements in Emily Dickinson's art gives an ingenious account of the diverse and unlikely elements from which the conception of the Calvinist God that appears in her poems was formed; images of the wrathful Jehovah in Watts's *Hymns*, the poet's aversion to

BOOKS

AMERICAN STUDIES

Grandiose dilemma

Hart Crane: complete poems
edited by Brom Weber
Bloodaxe, £4.95
ISBN 0 906427 65 7

For all the brevity of his life and the consequent relative slenderness of his oeuvre, Hart Crane is one of the great American poets, a major figure, in lyric and epic modes, of a remarkable generation. So it is a pleasure to have his poems readily available again in Britain in a cheap but handsomely produced edition, with its cover photograph of Crane in front of his inspirational Brooklyn Bridge, and with its frontispiece reproduction of Stagliano's forceful and sombre portrait of the poet in Mexico the year before his death in 1932 at the age of 32.

There have been two previous volumes published under the title "Complete Poems": the 1958 edition, a reissue of the 1933 *Collected Poems*, with an introduction by Waldo Frank; and Brom Weber's 1966 edition of the *Complete Poems and Selected Letters and Prose*. The letters and prose are excluded from the new volume, but Frank's foreword and most of Weber's introduction are retained, as is Weber's wholly appropriate dedication "to Waldo Frank, constant friend of Hart Crane." Crane severely tested but assuredly deserved constancy of friendship, and in Frank he found a devoted, attentive, and stable intellectual and personal comrade.

This *Complete Poems* is in fact more complete than its predecessors, containing as it does 22 poems, drafts, and fragments, which either had been published before only in limited pamphlet form and in magazines or, having been included by Frank, had been omitted by Weber in 1966. Among the poems reinstated are "A Traveler Rests", a memento of his stormy trip to France in 1929, "The Return", with its ominous foreboding of his own last trip into the waters of the Gulf of Mexico, and "Enrich My Resignation".

Of the other additions, the poems included in the section "Seven Lyrics" are juvenilia, written between the ages of 16 and 18. Three are early drafts of poems later published in magazines under different titles ("Carrier Letter", "Legende", "Interior"), though



Hart Crane in 1924 with the Brooklyn Bridge behind him

Crane in 1924 with the Brooklyn Bridge behind him

Crane in 1924 with the Brooklyn Bridge behind him

In each case discarded by Crane when he came to select poems for his first volume, *White Buildings*. Quite accomplished in their delicacy of feeling, "promising" indeed, these slight pieces, in their diction and measure, confirm that the original influences upon him were the English poets of the 1890s. Ernest Dowson and Lionel Johnson in particular, modulating into the tones and colours (jade-green, for instance) of minor or peripheral Imagist poets, like Amy Lowell and John Gould Fletcher. Just one phrase, the "andante of lost hopes" and to such a strikingly syncretistic effect as the "diagonal of islands" that sway hypnotically in the luscious second of his "Voyages" poems. This earliest mode of Crane's culminates beautifully in "My Grandmother's Love Letters".

"Ten Unpublished Poems" were, as the notes tell us, "hastily written by Crane on scraps of notebook paper, an envelope, and the backs of letters" between 1920 and the month before his death. They are fragments, chips even, or momentary gestures towards poems that eventually did get written (the second perhaps towards "Sunday Morning Apples", the fourth towards "The Wine Menagerie", where Holofemes also serves). The seventh piece (which, incidentally, though deemed to have been written "c. 1928-1930", must have been set down after March 20, 1929, the date of Marshall Foch's death, to which it refers) contains one line of pathetic, haunting comment upon his parched poetic gift and surely upon his inability to proceed with the whole project of his imagination: "My vision is a grandiose dilemma." Thus, day after day at that time, with no writing worth preserving, must it have appeared. The final fragment, penned within the last month of his life, at the end of his Mexican sojourn, has the world-weary, time-fired ring of several poems from that period, familiar from earlier editions. The contemporary world (especially the United States), the material and superficialities of "the news", repels him. His heart is with the Indians, historically defeated though they be, with

These Indians, who scan more news
On the hind end of their flocks
each day
Than all the tourists bring their way.

With Weber's scholarly notes reprinted, and with Kenneth Lohr's description of the miscellaneous pieces ("the Seven Lyrics" and "Ten Unpublished Poems") Hart Crane's *Complete Poems* is all that specialist student and general reader alike can require.

R. W. Butterfield

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Behind a bushel

Mark Twain: a sumptuous variety
edited by Robert Giddings
Vision, £16.95
ISBN 0 85478 006 8

The ten essays that form this book produce between them a total of 340 footnotes, or, since the notes come at the end of each piece, an average of one page of notes for just under ten pages of text. Indeed, in two essays, 19 pages of text each require four pages of notes. Since most of these are finding references, one may read my gratuitous statistics in at least two ways. The preponderance of citations of earlier critics of Mark Twain (usually for refutation or qualification) suggests how difficult it has become not to be otiosely derivative in writing about his work. The other references, too heterogeneous to be categorized, make the more encouraging point that Mark Twain's writings lead the informed reader, by association, into an exciting range of works, historical or topical, on America and American society.

In his opening sentence the editor describes Mark Twain as "a resounding genius whose brilliant light has been hidden behind the bushel of his own reputation." "Myth", perhaps, rather than reputation: except among the specialists, Mark Twain's reputation as a writer is still based less securely than the myth of Mark Twain the funny man is entrenched in the popular imagination. A book in a "critical studies series" demands to be judged by what it accomplishes to rectify this. The emphasis is on variety, and an essay on "Mark Twain as a relatively unfamiliar ground, drawing as it does on much unpublished material. Unfortunately it cannot evade the conclusion that he failed as a playwright because he 'did not know or refused to accept that a novel narrates while a play enacts', 'persisted in imitating the artificial and contrived style of many of the playwrights of his day', and could not 'create a living image of the human condition'.

Eric Mottram, a kind and best-known of the contributors, makes a spirited case for *The Gilded Age* and a number of other underrated pieces as evidence of Mark Twain's criticism of America, but ultimately returns to the "beautiful affirmations" of *Huckleberry Finn*. A. Robert Lee devotes an entire essay to that work, referring only parenthetically to its "flaws which would have sunk a lesser book", stressing its centrality to a main current of American literature and its "overall moral design". John Whitley, writing on "Mark Twain's Boys", dwells usefully on Tom Canty in *The Prince and the Pauper* as a link between Tom Sawyer and Huck but buses most of his argument on these two, as does Lyall Powers on "Mark Twain and the Future of Picaresque". ("Future" is an odd usage here since we are urged to "see retrospectively" the light that is thrown on a series of novels "following *Lazarillo de Tormes*". Mark Twain's *Lazarillo* is not, however, views on *Huckleberry Finn* and others invoke also *A Connecticut Yankee*; *The Mysterious Stranger* continues to tantalize several imaginations.

The widest-ranging piece is William Kaufman's "The Comedie Stance: Sam Clemens His Masquerade" which relates Mark Twain to, and differentiates him from, the tradition of southwestern humour and which also sees the relationship between Mark Twain's oral delivery on the lecture platform and his written narrative style, but even Kaufman concentrates largely on the novels. Yet it was as a lecturer and as the author of light-hearted travel books that Mark Twain made a special impact on his contemporaries, and the reasons for that deserve fuller exploration: as clues to the real nature of his "resounding genius" as a writer. The muddy of references to, let alone sustained discussions of, *The Innocents Abroad*, *A Tramp Abroad*, and especially *Roughing It* are a regrettable feature of a book that seeks to establish his "sumptuous variety" but are sully symptomatic of the fiction-fixation of present-day criticism.

Dennis Welland

Dennis Welland is emeritus professor of American literature at the University of Manchester.

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Going solo

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The Longman History of the United States of America by Hugh Brogan Longman, £19.95 ISBN 0 582 35385 8

Each of these authors is to be saluted for his courage, his patience, even his foolhardiness. For each surveys the history of the United States, including

Personal truths

Tell About the South: the southern rage to explain by Fred Hobson Louisiana State University Press, £35.00 and £12.95 ISBN 0 8071 1112 0 and 1131 7

Tell About the South is not yet another book about what makes the southern United States distinctive, though it discusses that vexed question along the way and inclines to the view that certain southern claims to distinctiveness have been exaggerated. It is not an all-encompassing book about Dixie, since it deals with selected white southerners. While acknowledging C. Vann Woodward's judgement that "there is no one more quintessentially southern than the southern Negro", Hobson's deliberate omission is a fair one, not only because black writers on the south can fill a book by themselves but also because he is concerned with two types of writing about this region that are especially associated with whites.

What the author has produced is "a history of southern self-explanation" from about 1850 to 1970, focused on "non-novels and non-scholar" who may be divided into two schools. Hobson's "school of shame and guilt", which criticized the south, includes George Washington Cable, Howard Odum, Wilbur J. Cash and Lillian Smith. His "school of remembrance", which includes Edmund Ruffin, Thomas Nelson Page, William Alexander Percy and Donald Davidson, was concerned to refute the notion of the South as a savage and backward society, presenting instead as the defender of traditional Christian civilization against the demoralizing forces of rationalism, science and industrialization. In addition, *Tell About the South* makes an interesting contribution to the growing body of writing on American autobiography.

For many of the individuals treated

its colonial origins, in a single volume. Tindall in 1,350 pages. Brogan in 700 slightly larger pages.

Such one-man surveys have, especially in the US, recently gone out of fashion. For decades American students have been raised on a basic text, and Allan Nevins admitted that his widely adopted texts made him a millionaire. Recently, however, historical surveys have become multi-volume projects, usually the work of many hands, teams usually including a southerner, a westerner, and a yankee to be sure of balance, each writing on his special interest: or they take the form of one-man's additions to a basic and familiarly established text, as with William Leuchtenberg's amendments and additions to successive editions of "Morrison and Commager". This had seemed the only way to take account of the vast quantity of specialized research now available to, and swamping, the student. To do it all solo is in itself an achievement, and usually a long time in the making - Hugh Brogan confesses that his has taken 15 years.

There are some obvious differences

between these two books. Tindall manages to supply very many (but very small-scale) maps, and a considerable number of sometimes obscure illustrations. Each of his 34 chapters has a two-page appendix on further reading, thus providing in all a considerable and well-annotated bibliography that is at the same time vigorously written. A study-guide with which to use the text is available, offering exercises, documents and true-false, multiple-choice and essay questions on the text, in familiar American style. Brogan offers only a six-page book list at the end of his volume, on the grounds that "a full-scale bibliography would be out of place" in a history of this nature: it could do nothing that is not better done elsewhere. Not for him the accompanying student manual, which is rare in Britain, and would be scorned. On the other hand, Tindall has not a single footnote, and Brogan many - and some of them - for example on the movement of Plymouth Rock to adapt it to "history", or in his reference to the Angel Moroni and the curious story of the Golden

Plates, even have the zest and flavour of his father Dennis Brogan's foot-of-the-page anecdotes (for some British students of the American political system his book is still the best and most vivid introduction to American politics). Each book, it should be added, is highly readable and freshly written, and sustains the reader's interest to the end.

And which, the potential buyer will ask, would you buy, if you could only afford one? My own initial answer would probably be - and it is not merely cowardice - neither. For each of these authors knows not his heart, the writing of such a survey is a form of self-satisfaction, however gruelling the labour, a way of displaying a total grasp of the span of one country's history (perhaps the only country whose recorded history is, in all its detailed probing, still short enough for one man to grasp, to interpret and re-interpret, and to recount). But at every point one is conscious of the cursory character of all surveys, however competently done.

On the other hand, what is valuable feeling of life and death urgency that he has examined in *Tell About the South*. With the decline of southern nationhood, were driven to look backwards instead of forwards, to extol the South as a "spiritual nation", and to describe it in romantic and sentimental terms. Southerners began to write for themselves as much as for the North, while repetition reduced force, so that the literature of "self-exploration, even of confession and shame and guilt", became "somewhat stylized" in part a habit, an aesthetic ritual. The southern traditions under review were also affected by key developments in southern history, including the acceleration of the pace of economic change, the growth of the civil rights movement and the rise of the sun belt. As a result of the first two developments, the critics of the South came to outnumber the apologists. As a result of the last development, the South has ceased to feel the need to apologize for itself. In consequence, Hobson suggests, southerners are unlikely to produce in the near future any more of the books composed out of a

Christine Bolt

Christine Bolt is professor of American History at the University of Kent.

remarks, like this, Pritchard tries to recover that play: the wayward quality of the poet's mind as it revealed itself both in a life that was extravagantly theatrical, shaped by the demands of his imagination, and in an art that was stylish and unpredictable, and such an illustration of his belief that the essence of any poetry is surprise.

As far as the life is concerned, Pritchard shows just how inventive Frost could be, how often he made himself the raw material of his fictive powers. He constantly reinterpreted his past: simpler folk might call this lying but, Pritchard suggests, it was a strategy for uncovering further layers of his personality. Frost evidently felt that he could only guess at himself and his motives and so, for the present, he was rather at playing roles, something that made him seem, at age, historic and shadowy, as one colourful mask metamorphosed into another. Even Frost's calculated approach to his own career, Pritchard argues, must be seen as a by-product of his inventiveness: since his aim was to invent the future too, to will or believe it into existence. Every facet of Frost's experience, in effect, was shaped by his conviction that personality - and his, in particular - was a shifting, shadowy thing, to be caught only instant-via-artifice.

"I am not undersigning", Frost admitted once, and the same artfulness that Pritchard claims to find in the poet's behaviour is discovered, perhaps more convincingly, in his writing. His work is full of play. Pritchard insists: play so playful that it leaves the audience as the poet himself, said it should, "in doubt whether it is deep or shallow". Moving from the intricate rhythms of speech in *North of Boston*, where Frost was intent upon capturing what he called the "abstract vitality of our language", to those pieces in *A Witness Tree* where the poet, old now, managed to make grimly mischievous verse out of personal suffering, Pritchard shows how many of Frost's guiding impulses remained the same. To register those elusive patterns of sound we use to open up an intercourse with the world, to record the wayward nature of people, to remind us of the teasing, playful character of experience, and the necessity for language, these com-

sions, we are told, stayed with the poet throughout his career. "It's a wonderful world", Frost declared during his last public appearance; then added, in his next breath, "To hell with it". And, Pritchard implies, it is out of this tension generated by these two remarks that Frost's quirky, mercurial poetic games issue.

The trouble is, Pritchard spends too little time examining the impulses that led the poet to declare, "To hell with it". There is insufficient recognition of what was undeniably there: Frost's darker, bleaker, crueler side. Even when that side is admitted, Pritchard has a disconcerting habit of offering excuses. On one occasion, for instance, Frost wrote his six-year-old daughter Lesley and, pointing a revolver first at his wife and then at himself, demanded that Lesley choose between them because by morning one of them would be dead. To dismiss this incident as Pritchard does, as "a very bad place of theatricality" (as if only questions of taste were involved), argues a kind of moral myopia; just as to discuss Frost's poems as this book tends to, in terms of their capacity for mischief, implies a certain lack of critical imagination. Of course, Pritchard is right to claim that there has been too much emphasis recently on Frost's gloomier impulses; but, in trying to redress the balance, he goes much too far the other way. As a result, he denies his subject not only his unpleasantness, his moments of selfishness and brutality, but also his tragic stature. Pritchard seems to think there is something redemptive about (to use his own phrase) "pinning Frost down to the 'tragic' mat". On the contrary, I would suggest to call him tragic is the best shorthand way of measuring his range. For Frost is a tragic writer, not because he concerns himself with dark matters (many decidedly non-tragic writers do that), but because in contemplating such matters he can achieve that tragic joy - those mixed feelings of pity, terror, and the gaiety that springs out of sudden knowledge - that only the greatest poets have won from the struggle with themselves.

Richard Gray

Dr Gray is reader in literature at the University of Essex.

and striking, is the personal flavour that each author brings to his work. Thus, I would recommend a student to Brogan for much. He is a good essayist, with a real skill in communicating the intense, questioning character of Puritanism (whether he owes it to his Clydeside genes or to the Cambridge of his upbringing). He gives himself more space, though on fewer topics, than does Professor Tindall. Brogan enjoys his sources, weaves quotations from them aptly into his story and makes them, and their authors, live. And though etched in a sentence or two, his characterizations are vivid, notably of Governor Winthrop (with his Cromwellian quality), of George III (appearing not as a tyrant but as an opinionated bewildered farmer, rightly puzzled that there should be protest and revolution against obvious commercial prosperity) and not least of Benjamin Franklin, the "hedonistic Puritan" whom, of all Americans, he confesses he would most like to dine with in Heaven. And his vignettes of the westerners are sparkling, of Daniel Boone and Andrew Jackson, of the Mormon chiefs, Joseph Smith, and Brigham Young, and not least of a Buffalo Bill, who at the end of a colourful life - like many long-lived veterans - was inventing and embroidering his own legends, and knowing which was which.

In places, as on the culture of the American Indians, he allows himself a mini-essay in length and writes with feeling - America's story, he says, is a story of victims (the loyalists also get short shrift); and it is good to see that each author's taste for eloquence leads him to quote the same moving line of speech of Chief Joseph of the Nez Perce. Brogan emphasizes the cruelty and savage base of the tobacco wealth of Virginia's first families, playing down perhaps that the majority of whites as well as blacks had themselves got there under labour contracts in one form or another. But his comparison of Monticello and Versailles is disturbing and apt.

Brogan devotes more than half the book to the story up to the Civil War. He stops altogether with Nixon, except for two pages of postscript - "History since 1976 is still too close". Tindall is bolder and ends with "The Reagan Restoration". By contrast with the book to the story up to the Civil War, he stops altogether with Nixon, except for two pages of postscript - "History since 1976 is still too close". Tindall is bolder and ends with "The Reagan Restoration". By contrast with the book to the story up to the Civil War, he stops altogether with Nixon, except for two pages of postscript - "History since 1976 is still too close". Tindall is bolder and ends with "The Reagan Restoration".

In their brevities both books reveal their authors' preferences and personalities. And a student could usefully be asked to compare and contrast the treatments of episodes in a fascinating story by two very different authorities.

Esmond Wright

Esmond Wright is Emeritus Professor at the Institute of United States Studies.

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BOOKS

AMERICAN STUDIES

The Joyce of sex

The United States of America v. One Book Entitled *Ulysses* by James Joyce: documents and commentary: A 50-year retrospective, edited by Michael Moscato and Leslie LaBlanc University Publications of America, £27.50 ISBN 0 89093 590 4

In the same week in which the Prohibition Laws were repealed, Judge John M. Woolsey delivered his famous verdict that Joyce's *Ulysses* was not an obscene book. The American public was to be permitted to imbibe freely of the contents of bottles and forthright books. Woolsey found of *Ulysses* that "in spite of its unusual frankness, I do not detect anywhere the leer of the sensuality", and revealed his somewhat roseate view of Irish life - "in respect of the recurrent emergence of the theme of sex in the minds of Joyce's characters, it must always be remembered that his locale was Celtic and his season Spring". He concluded with Johnsonian elegance: "My conclusion, after long reflection, is that whilst in many places the effect of *Ulysses* on the reader undoubtedly is somewhat emetic, nowhere does it tend to be an aphrodisiac."

Woolsey's verdict of December 6, 1933 advanced three important guidelines for obscenity law. A literary work, he declared, ought to be judged (1) as a whole rather than from isolated passages - individual episodes of *Ulysses*, especially "Nausicaa", had been found judicially obscene in the 1921 prosecution of the *Little Review* (serialization 2) for its effect on the average reader rather than on the most susceptible portions of the population,

Cultural debate

American Culture and Society since the 1930s

by Christopher Brookeman Macmillan, £15.00 and £5.95 ISBN 0 333 29413 0 and 29414 9
American Film and Society since 1945 by Leonard Quart and Albert Auster Macmillan, £13.00 and £4.95 ISBN 0 333 30021 1 and 30023 8

In his *American Culture and Society Since the 1930s* Christopher Brookeman traces the argument about the nature of American culture in the postwar period; his method being to place selected developments in literary, cultural, theory and artistic practice within an historical context. His materials therefore are cultural ideas and movements that emerged during and after the Second World War: new criticism, new journalism, the Frankfurt School, and the New York avant-garde. As this list indicates, considerable attention is given to mass culture (with its variants "midcult" and "kitsch") as well as to the several versions of its social function in the postwar period.

Brookeman's tone is objective, and his presentation, expounding, and his conclusions, observing changes of culture over time, such as John Crowe Ransom and T. S. Eliot. His venture into film, photography, painting and literature are completed with the same assurance. The personal style lies in the selection of individual figures who are awarded separate chapters: Norman Mailer, as completely comprehensive, he is not. Christopher Lasch's *The Culture of*



James Joyce

and 3) according to the contemporary standards of the community. In the tradition-bound legal world, the decision did represent, if not a revolution, at least a substantial development.

The heroes of this lengthy book - an exhaustive compilation of all the documents and comments relevant to the case - apart from Woolsey, are Bennett Cerf of Random House who decided to publish *Ulysses*, and in particular Morris L. Ernst, America's foremost lawyer in obscenity cases, and his associate Alex under Lindey, who were retained by Cerf. Their preparation for the legal battle was mastery. For reasons of economy, rather than set up the book in America and then litigate with the government, they decided to import a copy (on May 8, 1932) and have it seized at the Customs - and placed their own agent at the steamers to make sure it was seized. The copy itself was rather special, since they got Paul Léon to paste inside its blue paper cover critical essays and reviews by the leading authors and critics of both England and France. Only by having these reviews pasted inside the copy were they able to quote from them when the case came to trial.

Ernst imported a second copy in May 1933, to test the judicial waters again, then managed to get the Customs to relinquish it on the grounds that the book was a classic, a point he was to make much of in court. Tributes from eminent men, including Dos Passos, F. Scott Fitzgerald and Theo-

dore Dreiser were assembled, as were requests from librarians all over the US to be allowed to stock the book. *Ulysses* could then be seen to be championed not just by ultra-radical literary cliques located in large metropolitan centres. The next stage was to get the book tried by a judge, rather than by a jury - an obviously shrewd move in the notoriously subjective area of taste. And finally, they succeeded in bringing the case before Woolsey, a liberal and cultivated man, rather than before a semi-literate conservative.

Ernst and Lindey presented a powerful brief before Woolsey, and Ernst showed his ability to think on his feet. To highlight important aspects of Joyce's technique, he said "while pleading this case before you, I've also been thinking about that ring round your tie, how your gown does not fit too well on your shoulders, and the plea that George Washington back of your bench." The judge smiled - "I must confess he replied, 'that while listening to you I've been thinking about the Heppelwhite chair behind you'." Judge, said Ernst, "that's the book."

The story wasn't over. In 1934, US Attorney Martin Conboy appealed against Woolsey's decision, and Ernst and Lindey fought the case again in front of the Appeals Court of Judges Manton, Learned Hand (a name that must have given Joyce great pleasure) and Augustus Hand. The book got through, two to one on a show of Hands. It was published in England in 1936. Naturally, Joyce's own countrymen were the last to lift the ban on *Ulysses*.

This book is particularly interesting in the light it throws on American legal procedures - Ernst comes across as something of a wily *Ulysses* himself - and on the moral tenor of the time. Inevitably in a book which prints all documents unabridged there is a certain amount of repetition and redundancy; but as Richard Ellmann remarks in his introduction, "to read the long record of the *Ulysses* case in the United States is to recognize afresh how defiant Joyce's book was."

George Watson

George Watson is senior lecturer in English at the University of Aberdeen.

ures; and Jackson Pollock, as eclectic artist and controversial model of American modernism.

Mailer, Wolfe and similar writers represent developments or reversals of the attitudes of their predecessors. For some time, in the immediate postwar period, cultural analysis was bleakly pessimistic. From both left and right, the production and consumption of mass culture was deplored for catering to the lowest common denominator of appreciation. The prevailing view was that art was predigested, that stereotypes were created and stock responses encouraged.

The onslaught upon mass culture did contain important qualifications. As Mr Brookeman clearly shows, it was from lower-middle-class society and culture, while he saw overwhelming aristocratic and working-class culture. T. S. Eliot recalled. Similarly, Dwight Macdonald and Robert Warshaw reserved their most corrosive comments for middlebrow culture or "midcult" (Thornton Wilder's *Our Town*, Life magazine) which strongly resembled a sentimental mass culture, but which had pretensions to respectability and universal significance.

In the 1960s and 1970s, a marked change takes place. Marshall McLuhan's *Understanding Media* (1964) celebrates the global village of the new electronic culture and the new collective consciousness it creates; Tom Wolfe revealed that the economy of abundance was supporting not a monolithic mass culture but a wide range of energetic subcultures: pop art was an additional phenomenon which, through its adherents and opponents, raised questions about the avant-garde, technological society and popular culture. The barriers between them were tumbling. Mass culture still had its detractors, but its complete the senses were being persuasively argued. And as the recognition of a continuum in which comics, cubism and relativity theory occupied the same aesthetic space became widespread, so the post-modernist world of art and culture was made visible.

Brookeman's coverage is not completely comprehensive. He misses Christopher Lasch's *The Culture of*

Narcissism (1979) which belongs in that tradition of diversified inquiry examined in one of the chapters "The Debate on Mass Culture". Also, an account of the formalistic and dogmatic Yale "Derrideans" would have brought up to date the history of an idealistic American literary criticism. The quasi-Marxist discourses of Edward Said and Frederic Jameson - and before them Philip Rahv - belong to another critical tradition for which written texts are "the product of history, ideology and society". It comes as a shock to discover F. O. Matthiessen, the socialist author of *American Renaissance* (1941), placed, not with Rahv, but with Northrup Frye, the authoritarian system-maker.

American Film and Society Since 1945 is a slighter book, more conventional in chronology, in which Professors Quart and Auster remind their readers of the view that "films have the ability to evoke the authentic tone of a society and a particular era". Cause and effect, each chapter is geared to a postwar decade, begins with an historical outline, and proceeds to analyse those "public classics" which demonstrate a significant relation to the contemporary society. The effect at times is of film reviews being stitched together, but the text is a triumph of compression and clarity, the representative films (*The Best Years of Our Lives* for the 1940s; *Bonnie and Clyde* for the 1970s, and so on) are intelligently selected. A commentary of detail and general cultural awareness but also a marked social and political sophistication. However, interviews are used too sparingly (Trevor Griffiths's description of the fate of his screenplay for *Reds* ought to have been consulted) and the reader looks in vain for references to Robert Aldrich whose films, particularly in the 1950s, subverted the American dream, exposing, by means of a harsh, formalistic style, a world of latent violence, hysteria and power relationships.

Ralph Willett

Ralph Willett is lecturer in American studies at the University of Hull.

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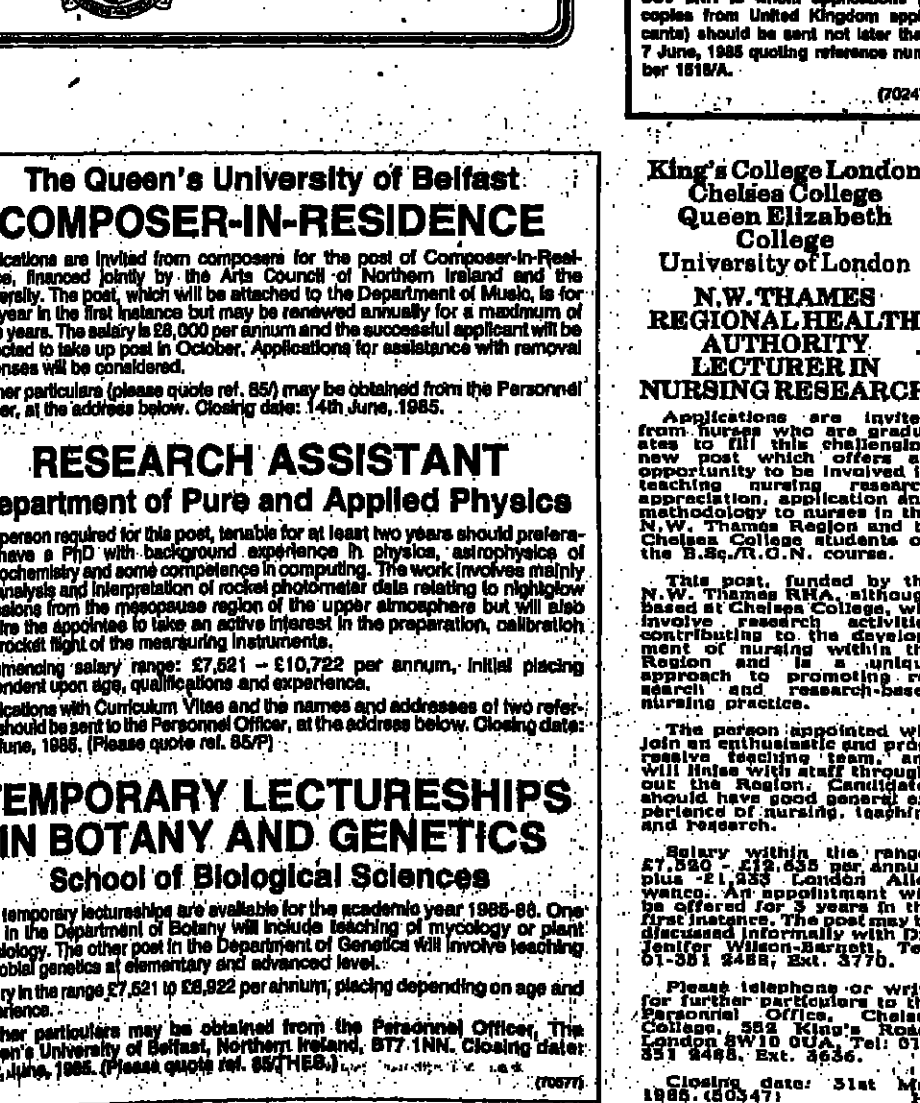
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ROBERT N. BELLAH, RICHARD MADSEN, WILLIAM M. SULLIVAN, ANN SWIDLER & STEVEN M. Tipton

In *Democracy in America* Alexis de Tocqueville spoke about 'the habits of the heart', referring to those notions, ideas and opinions that shaped 'mental habits' and 'the sum of moral and intellectual dispositions of men in society'. It is with these habits of the heart - with the cultural traditions and practices which have helped to form American character - that the authors of this book are concerned. Across the sweep of America's cultural history and in intimate stories of individual lives, *Habits of the Heart* explores the ways in which Americans see themselves, as a people and as a nation. Based on extended conversations with hundreds of Americans, the authors introduce a set of characters who represent familiar American voices and embody controversies which regularly enter the nation's public and private moral discourse and whose voices serve to introduce key aspects of contemporary American culture. £15.95. Hardback 360pp 0-520-05388-5

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Universities continued

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Lecturer/Senior Lecturer in Community Medicine-P.01006/85

(Department of Community Medicine) Applications are invited for the position of Lecturer/Senior Lecturer in Community Medicine in the Faculty of Medicine from persons who possess higher qualifications in Community Medicine/Public Health and have teaching and research experience in developing countries. The successful applicant will be engaged in teaching both undergraduate and postgraduate medical studies in Epidemiology, Biostatistics, Behavioural Science, Medical Care and Health Services, and will also be participating in teaching of allied health professions. The appointee is expected to provide academic leadership in this multidisciplinary department and to co-ordinate with the Department of Health and other health agencies. There are excellent opportunities for University supported research and it is also expected that the appointee will be actively involved in the National Staff Development Programme and be eligible for election as Head of Department.

Lecturer/Senior Lecturer in Social Science Education-P.051008/85

(Department of Education) The person appointed will be required to train secondary teachers in social science education in both the pre-service and in-service Bachelor of Education programmes. Duties will include teaching practice supervision. Ability to teach in another area such as curriculum studies would be an asset. Candidates must have qualifications in a Social Science discipline relevant to High School teaching and in Education, and should have higher degrees qualifications in Education and Social Science. Successful teaching experience at Secondary Level is essential, while teaching experience at Tertiary Level and in a developing country is desirable.

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(Department of Political and Administrative Studies) The Department has a vacancy in the field of International Relations/Foreign Policy. Applications are invited from suitably qualified persons. Candidates should be prepared to teach in one or more of the following areas: International Relations, Foreign Policy, International Law, and the role of the United Nations. The successful applicant will be expected to teach in one or more of the following areas: International Relations, Foreign Policy, International Law, and the role of the United Nations. The successful applicant will be expected to teach in one or more of the following areas: International Relations, Foreign Policy, International Law, and the role of the United Nations.

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To obtain application forms and further particulars send a D55 CARD to Centre for Continuing Education, (T) The Open University, P.O. Box 82, Walton Hall, Milton Keynes, MK7 6AU.

To ensure that your application is considered for the 1986 academic year forms should be submitted to one of the University's Regional Offices by Friday 14th June 1985.

UNIVERSITY OF SALFORD Department of Aeronautical and Mechanical Engineering

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The University fosters strong links with industry and Professors are encouraged to spend time at universities abroad. Salary within the Professorial range (average £21,235 pa - under review). (University applicants may address informal enquiries to Professor Brian Porter, Chairman of the Department of Aeronautical and Mechanical Engineering (Tel: 061-736 5843 ext 585). Formal applications must be lodged by 26 June 1985 with the Registrar, University of Salford, Salford, M6 4WT, England, from whom further particulars of this post may also be obtained (Tel: 061-736 5843 ext 7172). Please quote reference ME/390/T.H.E.S.

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The College proposes to appoint to the full-time permanent post of Bursar, as from 1 January, 1986. The Bursar, who is an official Fellow and member of the Governing Body, has overall responsibility for the College Buildings and estates, for domestic and financial affairs, and is centrally involved in College policy, planning and development. Applicants will be expected to have relevant experience in administration, staff-management and finance.

Further particulars and application forms can be obtained from the Rector, Lincoln College, Oxford OX1 3DR, to whom completed applications, with the names of three referees, should be sent not later than 1 June, 1985.

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Universities continued

University of Auckland New Zealand

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LECTURER/ASSOCIATE PROFESSORSHIP IN INDUSTRIAL ECONOMICS (Department of Economics) Closing Date: 31 July 1985

Applications are invited for the above post. The successful applicant will be expected to have a PhD in Industrial Economics, and to have extensive experience in the field of industrial economics. The successful applicant will be expected to have a PhD in Industrial Economics, and to have extensive experience in the field of industrial economics.

UNIVERSITY OF WARWICK Department of Economics

RESEARCH FELLOW/SENIOR RESEARCH FELLOW

The University is establishing a Parliamentary Unit in the Department of Economics. The successful applicant will be expected to have a PhD in Economics, and to have extensive experience in the field of economics. The successful applicant will be expected to have a PhD in Economics, and to have extensive experience in the field of economics.

UNIVERSITY OF WARWICK Department of Economics

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UNIVERSITY OF WARWICK Department of Economics

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UNIVERSITY OF WARWICK Department of Economics

RESEARCH FELLOW/SENIOR RESEARCH FELLOW

Universities continued

Papua New Guinea University of Technology

CHIEF TECHNICAL OFFICER (Department of Agriculture) Applications are invited for the above post. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of technical assistance. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of technical assistance.

University of Otago New Zealand

ASSISTANT LECTURER IN INFORMATION SYSTEMS Applications are invited for the above post. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of information systems. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of information systems.

The Department is interested in technology transfer between the academic community and the business sector, and the appointee will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of information systems. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of information systems.

University of Otago New Zealand

TUTORSHIP IN ECONOMIC HISTORY (Ref. No. 3496) Applications are invited for the above post. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of economic history. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of economic history.

Further particulars for the post are available from the Registrar, University of Otago, Dunedin, New Zealand. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of economic history. The successful applicant will be expected to have a degree or equivalent qualification in a relevant discipline, and to have extensive experience in the field of economic history.

University of Edinburgh Department of History

LECTURESHIP IN EARLY MODERN EUROPEAN HISTORY (WITH BRITISH HISTORY) c.1600 - c.1750 Applications are invited for the above post. The successful applicant will be expected to have a PhD in History, and to have extensive experience in the field of early modern European history. The successful applicant will be expected to have a PhD in History, and to have extensive experience in the field of early modern European history.

Further particulars for the post are available from the Registrar, University of Edinburgh, Edinburgh, Scotland. The successful applicant will be expected to have a PhD in History, and to have extensive experience in the field of early modern European history. The successful applicant will be expected to have a PhD in History, and to have extensive experience in the field of early modern European history.

University of Hong Kong LECTURER IN JAPANESE

(No advertisement) Applications are invited for the above post. The successful applicant will be expected to have a PhD in Japanese, and to have extensive experience in the field of Japanese studies. The successful applicant will be expected to have a PhD in Japanese, and to have extensive experience in the field of Japanese studies.

University of Warwick Department of Economics

RESEARCH FELLOW/SENIOR RESEARCH FELLOW

The University is establishing a Parliamentary Unit in the Department of Economics. The successful applicant will be expected to have a PhD in Economics, and to have extensive experience in the field of economics. The successful applicant will be expected to have a PhD in Economics, and to have extensive experience in the field of economics.

University of Warwick Department of Economics

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University of Warwick Department of Economics

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University of Warwick Department of Economics

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University of Warwick Department of Economics

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Universities continued

University of Exeter Department of Economic History

LECTURESHIP IN MODERN ECONOMIC OR SOCIAL HISTORY (Ref. No. 3495) Applications are invited for the above post. The successful applicant will be expected to have a PhD in Economic History, and to have extensive experience in the field of economic history. The successful applicant will be expected to have a PhD in Economic History, and to have extensive experience in the field of economic history.

University of Exeter Department of Economic History

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Further particulars for the post are available from the Registrar, University of Exeter, Exeter, Devon, UK. The successful applicant will be expected to have a PhD in Economic History, and to have extensive experience in the field of economic history. The successful applicant will be expected to have a PhD in Economic History, and to have extensive experience in the field of economic history.

University of Exeter Department of Economic History

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Further particulars for the post are available from the Registrar, University of Exeter,

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A developed interest in the application of Information Technology in business related courses would be advantageous.

Further particulars and application form may be obtained from the Chief Administrative Officer, Somerset College of Arts and Technology, Wellington Road, Taunton TA1

South Glamorgan County Council
SOUTH GLAMORGAN INSTITUTE OF HIGHER EDUCATION: CAP

**FACULTY OF SCIENCE
DEPARTMENT OF SCIENCES**

LECTURER 2 in Mathematical Education
(Post No. L2/19)

The holder of the post will contribute to the teaching of Mathematical Education and in-service teacher education. Candidates must hold an Honours Degree in Mathematics or Education and have appropriate experience.

Further particulars and application forms may be obtained from The Personnel, South Glasgow Institute of Higher Education, Clydebank Campus, 100, South Glasgow Road, Glasgow G8 8LN (Telephone No. 0432 851111). Completed applications should be returned within fourteen days of the publication of this advertisement.

[illegible]

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015.

Colleges of Further Education continued

Inner London Education Authority
London College of Printing
Department of Pre-Printing Processes

PRINCIPAL LECTURER GRAPHIC REPRODUCTION
Applications are invited for a Principal Lecturer in Graphic Reproduction.

The person appointed will be responsible to a group of staff, and be responsible to the Head of Department/School, for printing processes (relief, gravure and lithography), planning, design and colour montages, screen printing, and other related courses. Also included in the duties of a person appointed are the development of courses, the organisation, and development of the above areas of teaching, including, tabling, enrolment, the development and updating of syllabuses, recommendations relating to staffing arrangements, and the recruitment of students and other staff. The person appointed will be responsible for the implementation of departmental and college policy.

Principal Lecturer: Salary scale in accordance with the Inner London Education Authority (ILEA) Report, Salary £13,000 - £14,500 (bar - £16,400).

SENIOR LECTURER GRAPHIC REPRODUCTION

Applications are invited for the post of Senior Lecturer with special responsibility to the Head of Department/School for the organisation and administration of the Department of Graphic Reproduction.

It is preferred that the applicant should have industrial experience and academic knowledge in one or more of the following areas:
Copy Origination, Colour Correction.
A knowledge of electronic methods of colour correction and copy origination would be an advantage.

Teaching may be at all levels, from Foundation (16 years old) through to postgraduate, for between 10 hours per week, and may take place at the College, the Castle, or the Clerkenwell School.

Senior Lecturer: Salary scale in accordance with the Inner London Education Authority (ILEA) Report, Salary £13,000 - £14,500 (bar - £16,400).

Application form returnable 14 days after date of advertisement, obtainable from the Senior Administrative Officer, London College of Printing, 100 Clerkenwell Road, London EC2A 4RQ.

These posts are suitable for job share applications for a share appointment to be only considered if submitted by a pair.

ILEA is an Equal Opportunity Employer. (053 45 17)

Conferences & Seminars

Le Document Authentique
THEORIE ET PRATIQUE

5 jours de travail sur l'application du document authentique en français. L'enseignement sera donné par un professeur de français à l'Université de Paris. Les participants recevront un diplôme de l'Université de Paris. Les frais de participation sont de 100 francs. Les places sont limitées. Les inscriptions doivent être envoyées à: Centre de Recherche Linguistique, Université de Paris, 75013 Paris, France. (01 42 35 55 55)

Holidays and Accommodation
BRISCOLL HOUSE HOTEL, 100, Park Road, Brixton, London SW9 6NU. Tel: 01-873 4171.

DORRONS, FR's, comfort
monthly 2300 ins. June, July, Sept. Low load, overlooking sea. 24 hr. security. 24 hr. service. Airmail. (Supper, laundry, etc.). Tel: 01-873 4171.

LUXURY ACCOMMODATION
in the beautiful Georgian house in the heart of the city. Only 5 minutes walk to the tube. Tel: 01-873 4171.

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Research & Studentships

THORNEMI and OXFORD UNIVERSITY

TWO FULL-TIME RESEARCH POSTS

Applications are invited for two new posts from physicists, electronic engineers or research workers in related disciplines having a Ph.D. or equivalent research experience. Those appointed will become staff members of THORNEMI but will be expected to work for three years at least in the Engineering Science Department at Oxford University. Career development opportunities could later exist within THORNEMI. The successful applicants will be engaged at Oxford in research on Langmuir-Blodgett films and other ventures in Molecular Electronics under the supervision of Professor G. G. Roberts (Chief Scientist, THORNEMI) and Professor E. G. S. Paige.

Salary will be in the range £9,500 to £14,000 plus normal company benefits. Further details may be obtained from Professor E. G. S. Paige, Department of Engineering Science, University of Oxford, Parks Road, Oxford, OX1 3PJ, to whom applications containing a CV and the names of two referees should be sent by June 6th 1985.



POST-GRADUATE SCHOLARSHIPS IN IRELAND

The Irish Government offers two Research Scholarships leading to a PhD (3 years) or Masters degree (1 year) to British graduates who have received a First or Second Class Honours degree and who have obtained a place in an Irish Institution.

Further information and application forms are available from:

The First Secretary (Education),
Irish Embassy,
17 Grosvenor Place,
London SW1X 7HR.

The closing date for receipt of completed application forms is 24 May 1985. (70104)

BUDDENFIELD POLYTECHNIC

Dept of Mechanical & Production Engineering

2 RESEARCH STUDENTS IN ENGINEERING

Applications are invited from persons with a good honours degree or equivalent qualification for 2 ESRC CASE Research Studentships, under the supervision of:

1. The Measurement of Rotors for Helicopter Compressor, in collaboration with Helix Machine Tools and Rotors, Bideford (part of the Royal Group).
2. Advanced Gear Measuring Instruments in collaboration with Gleson Works Ltd, Plymouth (a subsidiary of Gleson Works, USA).

The successful candidates may be able to register for a higher degree with the Central National Academic Awards.

Application forms and further information (please state for which project) from the Department's Office, The Polytechnic, Queensway, Buddenfield RD, Bideford, Tel: 044 2255 ext 207. Closing date 31 May 1985. (7002)

Brunei University

Department of Mathematics and Statistics

RESEARCH STUDENTSHIPS

Applications are invited for two ESRC CASE Research Studentships for the following projects:

- (i) Numerical modelling of the flow of a fluid through a porous medium. (Professor J.A. Whitman).
- (ii) Numerical modelling of the flow of a fluid through a porous medium. (Professor J.A. Whitman).

Applications for topics (i) and (ii) should be sent to the Head of Department, Brunei University, Uxbridge, Middlesex, Ux8 3PH. Tel: 01-873 4171.

Applications for topic (iii) should be sent to the Head of Department, Brunei University, Uxbridge, Middlesex, Ux8 3PH. Tel: 01-873 4171.

Applications for topic (iv) should be sent to the Head of Department, Brunei University, Uxbridge, Middlesex, Ux8 3PH. Tel: 01-873 4171.

Applications for topic (v) should be sent to the Head of Department, Brunei University, Uxbridge, Middlesex, Ux8 3PH. Tel: 01-873 4171.

Applications for topic (vi) should be sent to the Head of Department, Brunei University, Uxbridge, Middlesex, Ux8 3PH. Tel: 01-873 4171.



Brunei University

Department of Electrical Engineering

APPLIED ELECTROSTATICS RESEARCH GROUP

Applications are invited for a Research Fellow for a major new initiative:

ACID RAIN RESEARCH

Techniques are to be evaluated of electrostatically agglomerating fine particles, leading to more efficient particulate extraction in coal burning furnaces. The research programme is sponsored by the British Technology Group with active collaboration with Lurgi Coal Dresser and the Coal Research Establishment.

Candidates for this post should preferably possess a Ph.D. in either Electrical Engineering or Chemistry and have some experience in particulate technology and/or acid chemistry.

Salary within scale: £7,200 - £12,150 per annum (under review) with initial placement dependent on qualifications and experience.

Applications (three copies) including detailed curriculum vitae and names of two referees should be sent to Mr D.A.S. Copland, Staffing Department, University of Southampton, Southampton, SO9 4NH, from whom further particulars may be sought and queries referred to Mr D.A.S. Copland.

Further details about the post may be sought by contacting directly Dr J.F. Hughes, Department of Electrical Engineering, University of Southampton, Tel: 089 122 Ext. 3740. (70248)

University of Warwick

Industrial Relations Research Unit

PRINCIPAL RESEARCH FELLOWS SENIOR RESEARCH FELLOWS RESEARCH FELLOWS

Applications are invited for a number of full-time research fellowships in the Industrial Relations Research Unit, which is supported by the ESRC. The Unit is particularly keen to develop its integrated projects in the areas of:

1. The Management of Personnel
2. The Management of Industrial Relations
3. The Management of Business

Applicants should have experience of empirical research in industrial relations or related subjects, and will be expected to produce high quality research in the field of human resources.

Applicants should also have experience of industrial relations research in the field of human resources.

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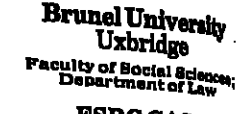
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Applicants should have experience of industrial relations research in the field of human resources.



Brunei University

Department of Electrical Engineering

ESRC CASE STUDENTSHIP

Applications are invited for an ESRC CASE award for research into the use of the 'Tanner's Charter' of the Authorisation and Control of Housing, examining the impact of the Charter on the housing market, and the impact of the Charter on the housing market, and the impact of the Charter on the housing market.

Further particulars and an application form (which must be returned not later than 1 June) are available from Dr J.F. Hughes, Department of Electrical Engineering, University of Southampton, Tel: 089 122 Ext. 3740. (70248)

The starting date of the studentship is 1 October 1985. (50359)

Further particulars and an application form (which must be returned not later than 1 June) are available from Dr J.F. Hughes, Department of Electrical Engineering, University of Southampton, Tel: 089 122 Ext. 3740. (70248)

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Research and Studentships continued

OXFORD POLYTECHNIC

SERC CASE STUDENTSHIPS

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UNIVERSITY OF BRADFORD

RESEARCH ASSISTANTSHIPS

Applications are invited for a SERC CASE award for research into the use of the 'Tanner's Charter' of the Authorisation and Control of Housing, examining the impact of the Charter on the housing market, and the impact of the Charter on the housing market.

Further particulars and an application form (which must be returned not later than 1 June) are available from Dr J.F. Hughes, Department of Electrical Engineering, University of Southampton, Tel: 089 122 Ext. 3740. (70248)

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Overseas

UNIVERSITY OF MALAWI STAFF VACANCIES: KAMUZU COLLEGE OF NURSING

Applications are invited from suitably qualified candidates for the following posts tenable from September/October 1985 - or as soon thereafter as possible - at Kamuzu College of Nursing, Lilongwe, a constituent College of the University of Malawi.

Assistant Lecturers/Lecturers/Senior Lecturers in Medical Surgical Nursing

The successful applicants will be required to teach courses in Clinical Nursing and Nursing Science in a programme leading to the award of a 3-year Diploma in Nursing, followed by a one-year Certificate in Midwifery.

Candidates must possess a good Bachelor's Degree in Nursing, plus preferably an MSc in an appropriate field, as well as teaching and/or clinical experience.

Assistant Lecturer/Lecturer/Senior Lecturer in Psychiatric Nursing

The successful applicant will be required to teach courses in Nursing and Clinical Science in a programme leading to the award of a 3-year Diploma in Nursing, followed by a one-year Certificate in Midwifery.

Candidates must have a good Bachelor's Degree in Nursing, plus preferably an MSc in an appropriate field, as well as teaching and/or clinical experience.

Assistant Lecturer/Lecturer/Senior Lecturer in Biology

The successful applicant will be required to teach Introductory courses in at least three of the following subjects: (1) Anatomy, (2) Physiology, (3) Microbiology, (4) Parasitology, and (5) Nutrition, in a programme leading to the award of a 3-year Diploma in Nursing, followed by a one-year Certificate in Midwifery.

Candidates must possess a good Honours Degree in either Biology or Zoology, plus preferably an MSc in an appropriate field, as well as some teaching experience.

Salary scales for non-domestic staff (including expatriate addition), taxable in Malawi:

Assistant Lecturer	K 5,899 - K 6,174
Lecturer	K 6,070 - K 11,445
Senior Lecturer	K 10,852 - K 13,110

Family passages, various allowances, biennial overseas leave, and partly-furnished housing in Lilongwe, as well as a 15% tax-free gratuity for an initial contract of 22 months and 25% for 3-4 years.

Applications should reach the Registrar, University of Malawi, P.O. Box 278, Zomba, Malawi, as soon as possible, and not later than 7 June 1985, and should include a full curriculum vitae, as well as the names and addresses of three referees.

(70841)

UNIVERSITY OF QUEENSLAND LECTURER IN MEDICAL STATISTICS (recruitable)

Social and Preventive Medicine
Degree in mathematics or statistics with experience in medical data desirable. Higher degree or progress towards also an advantage. Provide instruction in statistics to medical students and consultant service to senior students/medical researchers. Participate in epidemiological research projects. Statistical programming for microcomputer and University's mainframe computers also important.
Closing date: 21st June 1985. Ref. 17285

LECTURESHIP IN DRAMA (recruitable) English

Higher degree and major competence in the fields of nineteenth and twentieth century drama required. Competence in one or more of the fields of Mediaeval and Renaissance drama and theatre history also desirable. Preference to applicants with experience in theatre practice and some knowledge of the practice or teaching of media studies an advantage.

Closing date: 21st June 1985. Ref. 17285
Further details and application forms for above two positions are available from the Secretary-General, Association of Commonwealth Universities, 30 Gordon Square, London WC1H 0PF.

POSTGRADUATE STUDENTSHIP Civil Engineering

The Department of Civil Engineering and Division of Geomechanics CSIRO are supporting a Ph.D. student in computational mechanics applied to Geomechanics at the University of Queensland, Brisbane. The specific application will be to experience in soil and rock and the study of problems in their design. The candidate must have an honours degree or equivalent in civil, mining engineering or applied mathematics with a strong interest in computational mechanics, either in boundary finite or discrete element methods.

The studentship of \$A7,700 per annum plus \$A2,200 for a dependent spouse and \$A728 for each dependent child is available for three years. Some support available for relocation to Brisbane.

Applications containing personal history, certified copies of academic qualifications, names of at least two academic referees and a recent photograph, to Dr. J. L. Mack, Department of Civil Engineering, University of Queensland, St. Lucia, 4072 by 1st July 1985. Ref. 17285.

The University of Queensland is an Equal Opportunity Employer.

Technical Consultant Engineering Department Yarmouk University - Jordan

Reporting to the Dean of the Engineering Department, the officer will be required to evaluate and advise on the preparation and installation of Engineering Laboratory equipment, in particular relating to machine shop and civil engineering equipment.

Other duties include assisting with the Department's syllabus and the provision of field training in the operation and maintenance of the laboratory machines and equipment.

Applicants should be British Citizens, and Chartered Engineers familiar with HND, HNC polytechnic training with ten years relevant experience and knowledge of machine shops and laboratory equipment.

The appointment is on contract to ODA on loan to the Government of Jordan, for a period of 9-12 months, and could be offered on secondment terms provided the applicant's employer is agreeable. Salary (UK taxable) is in the range £12,000 to £18,000 p.a. including an element in lieu of superannuation. A variable tax free Foreign Service Allowance, currently in the range £2800 to £3420 p.a. is also payable.

The post is wholly financed by the British Government under Britain's programme of Aid to the developing countries. Other benefits normally include paid leave, free accommodation and medical attention.

For full details and application form, please apply, quoting ref. A536/AF/T22, giving details of age, qualifications and experience to: Appointments Officer, Overseas Development Administration, Room 381, Abercrombie House, Eaglesham Road, EAST KILBRIDE, Glasgow G78 5EA.

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WAT Western Australian Institute of Technology Tenured Principal Lecturer INFORMATION ENGINEERING Salary (Aust.) \$46,397 p.a.

Applications are invited from suitably qualified persons for the newly created position of Principal Lecturer in the School of Electrical and Electronic Engineering.

The successful applicant will be required to provide a strong leadership role in one of the following areas: VLSI design, computer systems or communication systems engineering.

Responsibilities will include teaching at undergraduate and postgraduate level, personal R & D and inter-action with local industry.

Preference will be given to applicants with teaching experience, a record of scholarly achievement and a commitment to academic excellence.

Conditions include fees for appointee and family plus assistance with removal expenses; superannuation.

Applicants should include the names and addresses of three referees should be submitted not later than 2 July 1985 to the Appointments Officer, Western Australian Institute of Technology, Kent Street, Bentley, Western Australia, 6102. A brochure containing further information may be obtained by Telex (A429233) or Cable (WAT/TECH) using "Appointments", position reference number and your return address.

When applying please quote Ref. No. and Code HES.

DUBAI THE HAKSH SCHOOL FOR GIRLS

PACES Recruitment Consultants have been instructed to recruit:

A MEDIA RESOURCES OFFICER (FEMALE)

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The salary will be in the range £12,000 - £15,000 with luxury free accommodation, return air fare, medical insurance and terminal gratuity.

If you feel that you meet the existing requirements of this job, please send a stamped addressed envelope to: Dept. R6/PACES, 90 Clouston Gardens, St. Leonards, WA10 9BN.
CLOSING DATE: WITHIN 21 DAYS OF THE APPEARANCE OF THIS ADVERT.

(70841)

DARWIN INSTITUTE OF TECHNOLOGY SCHOOL OF CREATIVE AND APPLIED ARTS HEAD OF DEPARTMENT FINE ARTS (PRINCIPAL LECTURER/ SENIOR LECTURER)

POSITION NO: CAA9

SALARY: A\$40,628 p.a./A\$33,331 - A\$35,690;
A\$36,475 - A\$38,847 p.a.

The School of Creative and Applied Arts invites applications for the above position. An appointment will be made at Senior Lecturer or Principal Lecturer level.

The major courses offered are a four year, full-time UG1 Bachelor of Arts (Fine Art) and a two year associate diploma in ceramics. Major studies are offered in Ceramics, Painting, Printmaking, Photography and Sculpture.

In addition to the above courses, the Department of Fine Art teaches recreational and matriculation classes.

The successful applicant will be required to function as Head of Department for a minimum period of three years and lead a staff of ten full-time Lecturers, three support staff and seven part-time Tutors.

The successful applicant will hold appropriate tertiary qualifications and will be an Artist, Art Educator, Art Historian or Art Administrator and Teacher of outstanding ability in one of the Department's major areas of study as well as possessing wide administrative experience in Fine Art Programmes at a tertiary level.

CONDITIONS OF SERVICE:
In addition to salary a District Allowance of A\$2,080 p.a. (with dependants) or A\$1,776 p.a. (without dependants) is also payable. A copy of the Institute's Conditions of Service, together with an information statement on the above position and the Department will be forwarded on receipt of applications.

APPLICATIONS

Applicants must submit a portfolio of recent, representative works on photograph, colour transparencies, film or video, with their applications and experience for: Appointments Officer, Overseas Development Administration, Room 381, Abercrombie House, Eaglesham Road, EAST KILBRIDE, Glasgow G78 5EA.

Application forms can be obtained from:
The Senior Personnel Officer
DARWIN INSTITUTE OF TECHNOLOGY
P.O. Box 40148
CASUARINA, NT, 5782
AUSTRALIA

or by telephoning (089) 204494
CLOSING DATE: 21 June 1985

(70841)

RMIT AUSTRALIA SENIOR LECTURER Department of Electrical Engineering

A vacancy exists for a permanent Senior Lecturer within the Department of Electrical Engineering. The Department is part of the Faculty of Engineering and offers an undergraduate course leading to Bachelor of Engineering and higher degrees by research and thesis.

The main areas of the departmental activities are energy conversion, transmission and electric power utilization, high voltage engineering and electrical measuring techniques; industrial electronics including power electronics and microprocessor applications; control systems and instrumentation; variable speed drives and electromechanical systems.

Applicants should possess experience in one or more of these areas. However, a good knowledge of the theory and design of variable speed drives and electromechanical systems and control systems with application of power electronics and microprocessors is desirable.

Qualifications and Experience: Higher Degree in Electrical Engineering or equivalent experience. Previous teaching and/or research activities will be an advantage.

Duties: The successful applicant would be required to teach at both undergraduate and postgraduate levels, supervise higher degree projects, and take part in applied research. Some consulting work may be available.

Salary range: A\$33,331 - A\$38,847 p.a. plus 2.6% National Wage Increase. (An increase of 2.6% - 3% to the basic salary range currently pending).

Reference No. 113/06/AN. Applications close: 1 July, 1985.

Interested applicants should obtain a copy of the Position Description from Personnel Services Group by writing to:

ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY LIMITED
BPO Box 2470V, Melbourne, 3001, Australia.

(70841)

SYDNEY - AUSTRALIA The University of New South Wales FACULTY OF APPLIED SCIENCE ELECTRON MICROSCOPIST (REF.211)

Electron Microscope Unit has recently established a Physical Sciences Section to provide teaching and research facilities for relevant disciplines within the University. It will consist of two Transmission Electron Microscope and two Scanning Electron Microscope, specimen preparation facilities and support staff. The appointee will be involved in the establishment of the unit, the supervision of staff and his/her own research, preferably in the area of materials Metallurgy. (02) 597 4428.

SALARY: Within one of the ranges: A\$28,236 - A\$34,457;
A\$36,293 - A\$41,020

Applicants should forward two copies of their curriculum vitae, including telephone number during business hours, transcripts of academic record and the names and addresses of two referees to the Academic Staff Office, P.O. Box 1, Kensington, N.S.W. 2033, Australia, by 30 June, 1985.

Equality of employment opportunity is University policy.

Overseas continued

Miscellaneous

Chronicle

SENIOR LECTURER/ LECTURER INECONOMIC HISTORY

Applications are invited, for the above post vacant from 1 January 1986.

Candidates should be able to teach and develop a wide range of courses, but special interest in the modern economic history of Western Europe and its expansion overseas will be an advantage.

Appointments, according to qualifications and experience, will be made within the salary range: Senior Lecturer: £11,967 - £15,855 p.a. (plus an annual bonus and attractive staff benefits).

Applicants should submit a full resume including publications and the names and addresses of three referees not later than 28 June 1985 to the Registrar (Attention: Appointments Officer), Department DQ348, University of Cape Town, P.O. Box 7700, Rondebosch, 7700 South Africa, from whom further information should be obtained.

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CAMP COUNSELLORS wanted for American students in London. 30 days from July 14. Accommodations incl. 1400. Reply: PO Box 11 839, Philadelphia, PA 19111 USA. (68395) HTS

Council for National Academic Awards ASSISTANT REGISTRAR

Applications are invited for the post of Assistant Registrar for Development Services. The post is for a three year period. Secondment will be considered.

The Development Services Unit of the Council facilitates, supervises and undertakes development and applied research projects related to the work of the CNA, its affiliated institutions and the higher education system. The CNA has now established a Development Fund whose servicing falls primarily to the Officers of the Unit.

The postholder will be expected to be responsible for several projects, to provide support for other projects, and to contribute more widely to the work of the Unit, the Officer Division to which it belongs and the work of the Officers generally.

Candidates for the post should be well qualified academically and/or professionally and should have relevant teaching and/or academic experience. In addition experience of applied research and development work, preferably in relation to higher education, is desirable.

The salary scale is £12,213-£17,505 p.a. including London Weighting. Salary on appointment is unlikely to exceed £15,616 p.a.

Further particulars may be obtained from: The Personnel & Training Officer, The Council for National Academic Awards, 344-354 Gray's Inn Road, London WC1X 8BP. Telephone: 01-278 4411. Extension 222, to whom all applications giving details of qualifications and experience and the names of two referees should be submitted by 7 June 1985.

(70832)

Council for National Academic Awards ASSISTANT REGISTRARS

Applications are invited for two posts of Assistant Registrar, with initial responsibilities in Teacher Education.

In addition to work in the Teacher Education area, the Assistant Registrars will be involved in the development of the Council's academic policies generally.

The posts are available from 1 September 1985.

Candidates for the post should be well qualified academically and/or professionally and should have relevant teaching and/or academic administrative experience. Applicants seeking secondment to the Council would be welcomed.

The salary is £12,213-£17,505 p.a. including London Weighting. Salary on appointment is unlikely to exceed £15,616 p.a.

Further particulars may be obtained from: The Personnel & Training Officer, The Council for National Academic Awards, 344-354 Gray's Inn Road, London WC1X 8BP. Telephone: 01-278 4411. Extension 222, to whom all applications giving details of qualifications and experience and the names of two referees should be submitted by Friday, 7 June 1985.

(70832)

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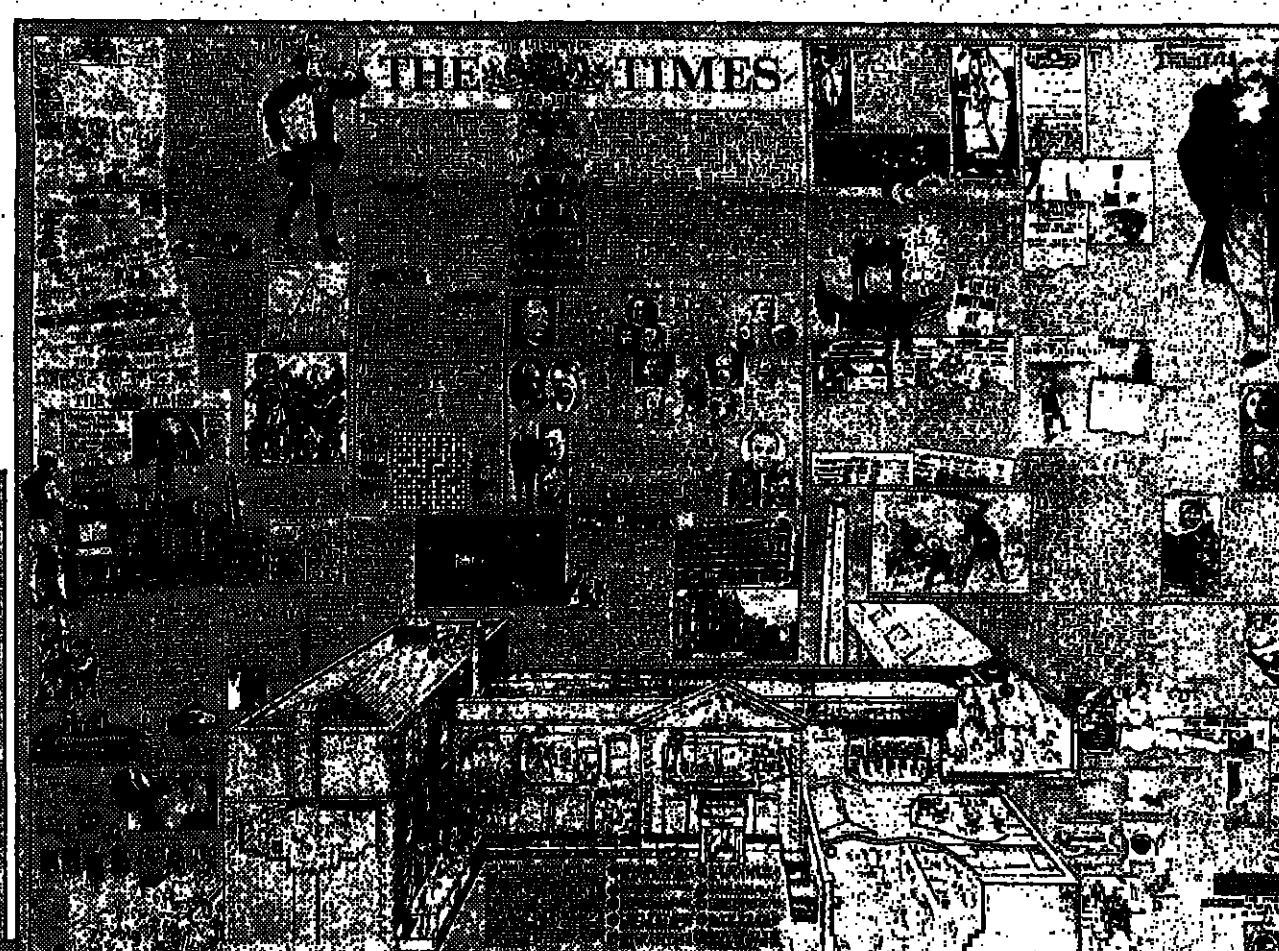
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